

Shah Nawaz Burokur

List of Publications by Year in descending order

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226
papers

5,610
citations

66343
42
h-index

91884
69
g-index

228
all docs

228
docs citations

228
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Pancharatnamâ€Berry Metasurface with Maximal Crossâ€Polarization Efficiency. Advanced Materials, 2015, 27, 1195-1200.	21.0	431
2	Independent phase modulation for quadruplex polarization channels enabled by chirality-assisted geometric-phase metasurfaces. Nature Communications, 2020, 11, 4186.	12.8	274
3	Phase-engineered metalenses to generate converging and non-diffractive vortex beam carrying orbital angular momentum in microwave region. Optics Express, 2018, 26, 1351.	3.4	222
4	A Fully Phaseâ€Modulated Metasurface as An Energyâ€Controllable Circular Polarization Router. Advanced Science, 2020, 7, 2001437.	11.2	191
5	High-Efficiency Metalenses with Switchable Functionalities in Microwave Region. ACS Applied Materials & Interfaces, 2019, 11, 28423-28430.	8.0	177
6	Polarizationâ€Engineered Noninterleaved Metasurface for Integer and Fractional Orbital Angular Momentum Multiplexing. Laser and Photonics Reviews, 2021, 15, .	8.7	160
7	Huygens Metasurface Holograms with the Modulation of Focal Energy Distribution. Advanced Optical Materials, 2018, 6, 1800121.	7.3	128
8	Metasurface holographic image projection based on mathematical properties of Fourier transform. PhotonIX, 2020, 1, .	13.5	127
9	Complementary transmissive ultra-thin meta-deflectors for broadband polarization-independent refractions in the microwave region. Photonics Research, 2019, 7, 80.	7.0	127
10	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.	4.6	107
11	Controlling Diffraction Patterns with Metagratings. Physical Review Applied, 2018, 10, .	3.8	99
12	Ultradirective antenna via transformation optics. Journal of Applied Physics, 2009, 105, .	2.5	93
13	Electronic control of linear-to-circular polarization conversion using a reconfigurable metasurface. Applied Physics Letters, 2017, 111, .	3.3	92
14	Phase-varying metamaterial for compact steerable directive antennas. Electronics Letters, 2007, 43, 493.	1.0	89
15	Waveguide taper engineering using coordinate transformation technology. Optics Express, 2010, 18, 767.	3.4	88
16	Design and experimental demonstration of a high-directive emission with transformation optics. Physical Review B, 2011, 83, .	3.2	87
17	Theoretical investigation of a circular patch antenna in the presence of a left-handed medium. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 183-186.	4.0	83
18	Reconfigurable meta-mirror for wavefronts control: applications to microwave antennas. Optics Express, 2018, 26, 2613.	3.4	82

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19	Tunable bilayered metasurface for frequency reconfigurable directive emissions. Applied Physics Letters, 2010, 97, .	3.3	77
20	High Beam Steering in Fabry-Pérot Leaky-Wave Antennas. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 261-264.	4.0	76
21	A Review of Orbital Angular Momentum Vortex Beams Generation: From Traditional Methods to Metasurfaces. Applied Sciences (Switzerland), 2020, 10, 1015.	2.5	73
22	Controlling plasmon hybridization for negative refraction metamaterials. Physical Review B, 2009, 79, .	3.2	70
23	Compact Metamaterial-Based Substrate-Integrated Luneburg Lens Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1504-1507.	4.0	68
24	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.	1.5	67
25	Design of Phase-Modulated Metasurfaces for Beam Steering in Fabry-Pérot Cavity Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1401-1404.	4.0	67
26	Dual-polarized multiplexed meta-holograms utilizing coding metasurface. Nanophotonics, 2020, 9, 3605-3613.	6.0	66
27	Infrared cloaking based on the electric response of split ring resonators. Optics Express, 2008, 16, 9191.	3.4	62
28	Single-layer spatial analog meta-processor for imaging processing. Nature Communications, 2022, 13, 2188.	12.8	58
29	Phase-modulation based transmitarray convergence lens for vortex wave carrying orbital angular momentum. Optics Express, 2018, 26, 22019.	3.4	53
30	Low-Profile Substrate-Integrated Lens Antenna Using Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 43-46.	4.0	50
31	Coding Huygens™ metasurface for enhanced quality holographic imaging. Optics Express, 2019, 27, 7108.	3.4	48
32	Directive metamaterial-based subwavelength resonant cavity antennas – Applications for beam steering. Comptes Rendus Physique, 2009, 10, 414-422.	0.9	47
33	Electronically reconfigurable metamaterial for compact directive cavity antennas. Electronics Letters, 2007, 43, 698.	1.0	46
34	Dual-band independent phase control based on high efficiency metasurface [Invited]. Chinese Optics Letters, 2021, 19, 100501.	2.9	46
35	Versatile metasurface platform for electromagnetic wave tailoring. Photonics Research, 2021, 9, 1650.	7.0	46
36	Perfect Control of Diffraction Patterns with Phase-Gradient Metasurfaces. ACS Applied Materials & Interfaces, 2022, 14, 16856-16865.	8.0	46

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37	Non-Local Reconfigurable Sparse Metasurface: Efficient Near-Field and Far-Field Wavefront Manipulations. Advanced Optical Materials, 2021, 9, 2001316.	7.3	45
38	Constructing the Near field and Far field with Reactive Metagratings: Study on the Degrees of Freedom. Physical Review Applied, 2019, 11, .	3.8	44
39	Flexible Manipulation of Bessel-Like Beams with a Reconfigurable Metasurface. Advanced Optical Materials, 2020, 8, 2001084.	7.3	44
40	Metamaterial-based half Maxwell fish-eye lens for broadband directive emissions. Applied Physics Letters, 2013, 102, 024102.	3.3	43
41	Symmetry breaking in metallic cut wire pairs metamaterials for negative refractive index. Applied Physics Letters, 2009, 94, 201111.	3.3	42
42	Designing Metagratings via Local Periodic Approximation: From Microwaves to Infrared. Physical Review Applied, 2019, 11, .	3.8	42
43	Versatile Airy-Beam Generation Using a 1-Bit Coding Programmable Reflective Metasurface. Physical Review Applied, 2020, 14, .	3.8	42
44	Phase-compensated metasurface for a conformal microwave antenna. Applied Physics Letters, 2013, 103, .	3.3	41
45	Coherent beam control with an all-dielectric transformation optics based lens. Scientific Reports, 2016, 6, 18819.	3.3	40
46	Beamforming With Metagratings at Microwave Frequencies: Design Procedure and Experimental Demonstration. IEEE Transactions on Antennas and Propagation, 2020, 68, 1533-1541.	5.1	40
47	Three-Dimensional Microwave Holography Based on Broadband Huygens' Metasurface. Physical Review Applied, 2020, 13, .	3.8	40
48	Multi-focus hologram utilizing Pancharatnam-Berry phase elements based metamirror. Optics Letters, 2019, 44, 2189.	3.3	40
49	Illusion optics: Optically transforming the nature and the location of electromagnetic emissions. Journal of Applied Physics, 2015, 117, 084903.	2.5	39
50	Active metasurface for reconfigurable reflectors. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	39
51	Experimental Verification of Isotropic Radiation from a Coherent Dipole Source via Electric-Field-Driven L - C Resonator Metamaterials. Physical Review Letters, 2013, 111, 133901.	7.8	38
52	Transformation media producing quasi-perfect isotropic emission. Optics Express, 2011, 19, 20551.	3.4	37
53	Tri-state Metasurface-Based Electromagnetic Screen with Switchable Reflection, Transmission, and Absorption Functionalities. ACS Applied Electronic Materials, 2021, 3, 1184-1190.	4.3	33
54	Negative refractive index metamaterials using only metallic cut wires. Optics Express, 2009, 17, 6301.	3.4	31

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55	Conceptual design of a beam steering lens through transformation electromagnetics. Optics Express, 2015, 23, 12942.	3.4	31
56	3D printed broadband transformation optics based all-dielectric microwave lenses. Journal of Optics (United Kingdom), 2016, 18, 044010.	2.2	31
57	Transmission-Reflection-Integrated Multiplexed Janus Metasurface. ACS Applied Electronic Materials, 2021, 3, 2638-2645.	4.3	31
58	Orbital angular momentum generation method based on transformation electromagnetics. Optics Express, 2018, 26, 11708.	3.4	30
59	Study and analysis of an electric Z-shaped meta-atom. Advanced Electromagnetics, 2012, 1, 64.	1.0	30
60	Subwavelength metamaterial-based resonant cavities fed by multiple sources for high directivity. Microwave and Optical Technology Letters, 2009, 51, 1883-1888.	1.4	29
61	Coordinate-transformation-based ultra-directive emission. Electronics Letters, 2011, 47, 580.	1.0	28
62	Deep learning-enabled compact optical trigonometric operator with metasurface. PhotonIX, 2022, 3, .	13.5	27
63	Enhanced directivity of ultra-thin metamaterial-based cavity antenna fed by multisource. Electronics Letters, 2009, 45, 814.	1.0	26
64	Dynamically Controlling Spatial Energy Distribution with a Holographic Metamirror for Adaptive Focusing. Physical Review Applied, 2020, 13, .	3.8	26
65	Planar metamaterial-based beam-scanning broadband microwave antenna. Journal of Applied Physics, 2014, 115, .	2.5	25
66	Planar Vortex Beam Generator for Circularly Polarized Incidence Based on FSS. IEEE Transactions on Antennas and Propagation, 2020, 68, 1514-1522.	5.1	24
67	Conformal Sparse Metasurfaces for Wavefront Manipulation. Physical Review Applied, 2020, 14, .	3.8	22
68	Metasurface Holography in the Microwave Regime. Photonics, 2021, 8, 135.	2.0	22
69	Spiral-like multi-beam emission via transformation electromagnetics. Journal of Applied Physics, 2014, 115, 024901.	2.5	21
70	Inductive-varying grid for highly beam-steerable cavity antennas. Electronics Letters, 2013, 49, 319-321.	1.0	19
71	Restoring in-phase emissions from non-planar radiating elements using a transformation optics based lens. Applied Physics Letters, 2015, 107, .	3.3	19
72	Compact logic operator utilizing a single-layer metasurface. Photonics Research, 2022, 10, 316.	7.0	19

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73	Transformation Electromagnetics for Antennas With an Illusion on the Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1796-1799.	4.0	18
74	Metamaterials for optical and radio communications. Comptes Rendus Physique, 2008, 9, 31-40.	0.9	17
75	Experimental validation of a transformation optics based lens for beam steering. Applied Physics Letters, 2015, 107, 154101.	3.3	17
76	Excitation of trapped modes from a metasurface composed of only Z-shaped meta-atoms. Applied Physics Letters, 2013, 103, .	3.3	16
77	Electromagnetic field tapering using all-dielectric gradient index materials. Scientific Reports, 2016, 6, 30661.	3.3	16
78	Modeling and design of metasurfaces for beam scanning. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	16
79	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, .	3.3	16
80	All-dielectric transformation medium mimicking a broadband converging lens. Optics Express, 2018, 26, 20331.	3.4	16
81	Omega-bianisotropic metasurface for converting a propagating wave into a surface wave. Physical Review B, 2019, 100, .	3.2	16
82	Design and validation of a metasurface lens for converging vortex beams. Applied Physics Express, 2019, 12, 084501.	2.4	16
83	Electronic beam steering of an active metamaterial-based directive subwavelength cavity. , 2007, , .		15
84	Highly directive ISM band cavity antenna using a bi-layered metasurface reflector. Microwave and Optical Technology Letters, 2009, 51, 1393-1396.	1.4	15
85	Z-shaped meta-atom for negative permittivity metamaterials. Applied Physics A: Materials Science and Processing, 2012, 106, 47-51.	2.3	15
86	Electromagnetic Scattering Properties in a Multilayered Metamaterial Cylinder. IEICE Transactions on Communications, 2007, E90-B, 2423-2429.	0.7	15
87	A novel type of microstrip coupler utilizing a slot split-ring resonators defected ground plane. Microwave and Optical Technology Letters, 2006, 48, 138-141.	1.4	14
88	Coding metasurface holography with polarization-multiplexed functionality. Journal of Applied Physics, 2021, 129, .	2.5	14
89	Study of the effect of dielectric split-ring resonators on microstrip-line transmission. Microwave and Optical Technology Letters, 2005, 44, 445-448.	1.4	13
90	Design and model of wideband absorber made of ultrathin metamaterial structures. Applied Physics A: Materials Science and Processing, 2014, 117, 739-746.	2.3	13

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91	Direct dark mode excitation by symmetry matching of a single-particle-based metasurface. Physical Review B, 2015, 91, .	3.2	13
92	3D field-shaping lens using all-dielectric gradient refractive index materials. Scientific Reports, 2017, 7, 782.	3.3	13
93	All-Dielectric Transformed Material for Microwave Broadband Orbital Angular Momentum Vortex Beam. Physical Review Applied, 2019, 12, .	3.8	13
94	Design and Validation of an All-Dielectric Metamaterial Medium for Collimating Orbital-Angular-Momentum Vortex Waves at Microwave Frequencies. Physical Review Applied, 2019, 12, .	3.8	13
95	Analysis and Design of Waveguides Loaded with Split-Ring Resonators. Journal of Electromagnetic Waves and Applications, 2005, 19, 1407-1421.	1.6	12
96	High-Q Fano resonances via direct excitation of an antisymmetric dark mode. Optics Letters, 2018, 43, 3818.	3.3	12
97	Chirality-Intrigged Spin-Selective Metasurface and Applications in Generating Orbital Angular Momentum. IEEE Transactions on Antennas and Propagation, 2022, 70, 4549-4557.	5.1	12
98	Gradient phase partially reflecting surfaces for beam steering in microwave antennas. Optics Express, 2018, 26, 6724.	3.4	11
99	Comparison of compact electricâ€‘LC resonators for negative permittivity metamaterials. Microwave and Optical Technology Letters, 2012, 54, 2287-2295.	1.4	10
100	Reducing physical appearance of electromagnetic sources. Optics Express, 2013, 21, 5053.	3.4	10
101	Thin Conformal Directive Fabryâ€‘Pérot Cavity Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 926-929.	4.0	10
102	Lowâ€‘profile circularly polarized fabryâ€‘perot cavity antenna. Microwave and Optical Technology Letters, 2016, 58, 2957-2960.	1.4	10
103	Direct dark modes excitation in bi-layered enantiomeric atoms-based metasurface through symmetry matching. Optics Letters, 2016, 41, 412.	3.3	10
104	Generation and deflection control of a 2D Airy beam utilizing metasurfaces. Optics Letters, 2021, 46, 5220.	3.3	10
105	Broadband effective magnetic response of inorganic dielectric resonator-based metamaterial for microwave applications. Applied Physics A: Materials Science and Processing, 2014, 114, 997-1002.	2.3	9
106	Design and engineering of metasurfaces for high-directivity antenna and sensing applications. EPJ Applied Metamaterials, 2016, 3, 4.	1.5	9
107	Dualâ€‘Polarized Triâ€‘Channel Encrypted Holography Based on Geometric Phase Metasurface. Advanced Photonics Research, 2020, 1, 2000022.	3.6	9
108	Helicity-switched hologram utilizing a polarization-free multi-bit coding metasurface. Optics Express, 2020, 28, 22669.	3.4	9

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109	Amplitude-phase modulation metasurface hologram with inverse angular spectrum diffraction theory. Journal Physics D: Applied Physics, 2022, 55, 235102.	2.8	9
110	Investigation of spatial filters at microwave frequencies: Application for antenna directivity enhancement. Microwave and Optical Technology Letters, 2012, 54, 1327-1332.	1.4	8
111	Low-profile metamaterial-based L-band antennas. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	8
112	Bi-functional meta-device with full energy utilization in co- and cross-polarization fields. Applied Physics Letters, 2020, 117, .	3.3	8
113	Electronically-engineered metasurface for directional beaming of electromagnetic waves through a subwavelength aperture. Optics Express, 2019, 27, 35774.	3.4	8
114	Full Space Control of Meta-Holograms Utilizing a Bilayered Patterned Coding Metasurface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 322-326.	4.0	8
115	Influence of split ring resonators on the properties of propagating structures. IET Microwaves, Antennas and Propagation, 2007, 1, 94.	1.4	7
116	Incidence dependence of negative index in asymmetric cut wire pairs metamaterials. Applied Physics Letters, 2009, 95, 191114.	3.3	7
117	Low-profile frequency agile directive antenna based on an active metasurface. Microwave and Optical Technology Letters, 2011, 53, 2291-2295.	1.4	7
118	Realizable design of field taper via coordinate transformation. Optics Express, 2018, 26, 505.	3.4	7
119	Compact multi-functional frequency-selective absorber based on customizable impedance films. Optics Express, 2021, 29, 14974.	3.4	7
120	Reprogrammable Digital Holograms and Multibit Spatial Energy Modulation Using a Reflective Metasurface. ACS Applied Electronic Materials, 2021, 3, 5272-5277.	4.3	7
121	Principles and applications of a controllable electromagnetic band gap material to a conformable spherical radome. EPJ Applied Physics, 2009, 46, 32611.	0.7	6
122	Superluminal wave propagation in a non-Foster negative capacitor loaded transmission line. Electronics Letters, 2017, 53, 547-549.	1.0	6
123	Dual-Polarized Dual-Channel Helicity-Switching or Helicity-Preserving Retroreflectors Utilizing 1-Bit Coding Metasurfaces. ACS Applied Electronic Materials, 2020, 2, 3380-3389.	4.3	6
124	Metasurface-tuning: A camouflaging technique for dielectric obstacles. Journal of Applied Physics, 2021, 129, .	2.5	6
125	Meta-hologram enabled by a double-face copper-cladded metasurface based on reflection-transmission amplitude coding. Optics Letters, 2022, 47, 174.	3.3	6
126	Antenna array for point-to-point communication in E-band frequency range. , 2011, , .		5

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127	Single metafilm effective medium behavior in optical domain: Maxwellâ€™s Garnett approximation and beyond. Applied Physics A: Materials Science and Processing, 2012, 109, 901-906.	2.3	5
128	Huygens' Metasurface With Stable Transmission Response Under Wide Range of Incidence Angle. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 630-634.	4.0	5
129	Steerable ultra-thin directive antenna from a metamaterial-based subwavelength cavity. , 2007, , .		4
130	Numerical and experimental demonstration of a coordinate transformationâ€™based azimuthal directive emission. Microwave and Optical Technology Letters, 2012, 54, 2536-2540.	1.4	4
131	COMPACT BASE STATION ANTENNAS USING METAMATERIALS. Progress in Electromagnetics Research C, 2012, 33, 43-53.	0.9	4
132	X-band metamaterial-based Luneburg lens antenna. , 2013, , .		4
133	3Dâ€™printed indexâ€™modulated substrate for beam in Fabryâ€™Perot cavity antennas. Microwave and Optical Technology Letters, 2018, 60, 1856-1861.	1.4	4
134	Field Decorrelation and Isolation Improvement in an MIMO Antenna Using an All-Dielectric Device Based on Transformation Electromagnetics. Sensors, 2021, 21, 7577.	3.8	4
135	Negative index from asymmetric metallic cut wire pairs metamaterials. International Journal of Microwave and Wireless Technologies, 2009, 1, 521-527.	1.9	3
136	Interpretation of the electric resonance in Z-shaped meta-atom. , 2013, , .		3
137	Phase-gradient metasurfaces for beam steerable antennas. , 2014, , .		3
138	Design of non-uniform metasurfaces for beam steering performances. , 2016, , .		3
139	VHF antenna miniaturization using external non-foster matching circuit. Microwave and Optical Technology Letters, 2017, 59, 986-991.	1.4	3
140	Planar metasurface for parabolic reflector antenna: Frequency agility and beam steering. , 2017, , .		3
141	Assembled medium: A route to the generation of vortex waves carrying orbital angular momentum with different modes. Journal of Applied Physics, 2020, 128, 044101.	2.5	3
142	Erratum for â€™Phase-varying metamaterial for compact steerable directive antennasâ€™™. Electronics Letters, 2007, 43, 901.	1.0	2
143	Subwavelength resonant cavities fed by microstrip patch array. , 2009, , .		2
144	Effective parameters of metal-dielectric composites: influence of eddy currents due to density fluctuations. EPJ Applied Physics, 2009, 46, 32604.	0.7	2

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145	Metamaterial-based 2D multi-beam broadband Luneburg lens antenna. , 2014, , .		2
146	Metasurfaces with positive reflection phase gradients for broadband directive emission. , 2017, , .		2
147	Active metasurface for a reconfigurable reflectarray antenna. , 2017, , .		2
148	Reconfigurable Metasurface as Microwave Reflectors and Polarization Converters. , 2018, , .		2
149	Metasurface-based Electromagnetic Screen for Tunable Reflection, Transmission and Absorption Characteristics. , 2020, , .		2
150	A metamaterial lens based on transformation optics for horizontal radiation of OAM vortex waves. Journal of Applied Physics, 2021, 129, 104101.	2.5	2
151	Fourier Convolution Operation on Metasurface-Based Hologram in Microwave Region. Photonics, 2021, 8, 174.	2.0	2
152	Adsorption of graphene-based metamaterials and its application in detection of heavy metal ions. Optical Materials Express, 2021, 11, 2675.	3.0	2
153	Metasurfaces for Far-Field Radiation Pattern Correction of Antennas under Dielectric Seamed-Radomes. Materials, 2022, 15, 665.	2.9	2
154	Camouflaging a High-Index Dielectric Scatterer with Buried Metasurfaces. Advanced Optical Materials, 2022, 10, 2101882.	7.3	2
155	Electronic Beam-Scanning Antenna Based on a Reconfigurable Phase-Modulated Metasurface. Sensors, 2022, 22, 4990.	3.8	2
156	Phenomenon study of a microstrip line on a slot split ring resonator's defected ground plane. , 0, , .		1
157	Left-handed medium effect on the characteristics of a circular patch antenna. , 0, , .		1
158	Conformable and Controllable Radome in X Band using Electromagnetic Band Gap Material. , 2007, , .		1
159	Novel cut wires metamaterial exhibiting negative refractive index. , 2009, , .		1
160	Frequency agile metamaterial-based directive cavity antennas. , 2011, , .		1
161	Application of coordinate transformation for novel antenna design techniques. , 2012, , .		1
162	Metamaterials-based gradient index broadband lens antennas. , 2013, , .		1

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163	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.	0.6	1
164	Analysis of a subwavelength Z-shaped metamaterial. IOP Conference Series: Materials Science and Engineering, 2013, 44, 012011.	0.6	1
165	Direction enhancing lens design through quasi-conformal transformation optics. , 2015, , .		1
166	GSM/DCS/UMTS low-profile metamaterial-based microwave antenna. Microwave and Optical Technology Letters, 2015, 57, 737-741.	1.4	1
167	Lenses designed by transformation electromagnetics and fabricated by 3D dielectric printing. , 2016, , .		1
168	Wideband miniaturized antenna with external Non-Foster circuit. , 2016, , .		1
169	Metamaterial lens for beam steering. , 2016, , .		1
170	3D printed gradient index dielectric metasurface for beam steering applications. , 2017, , .		1
171	All-dielectric microwave devices for controlling the path of electromagnetic waves. IOP Conference Series: Materials Science and Engineering, 2017, 198, 012001.	0.6	1
172	Dark mode engineering in metasurfaces by symmetry matching approach. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	1
173	Phase Modulation in Partially Reflective Surfaces for Beam Steering in Fabry-Perot Cavity Antennas. , 2018, , .		1
174	Ultra-thin metalens generating converging vortex beam in microwave region. , 2018, , .		1
175	3D Printed Index Modulated Dielectric Medium in Partially Reflecting Surface for Beam Steering. , 2018, , .		1
176	Circularly-Polarized Broadband Planar Parabolic Reflector Antenna. , 2019, , .		1
177	Field Decorrelation in a MIMO Antenna using Transformation Electromagnetics. , 2020, , .		1
178	Novel antenna concepts via coordinate transformation. Advanced Electromagnetics, 2013, 2, 25.	1.0	1
179	Microwave Metagratings for Generation of Vortex beams Carrying OAM modes. , 2020, , .		1
180	Broadband tunable metasurface platform enabled by dynamic phase compensation. Optics Letters, 2022, 47, 573.	3.3	1

#	ARTICLE	IF	CITATIONS
181	Split Ring Resonators and Slot Split Ring Resonators: Influence on microstrip line transmission and possible applications. , 2005, , .		0
182	Asymmetric left-handed metamaterial in microwave and infra-red regimes at normal incidence. , 2007, , .		0
183	Bidimensional phase-varying metamaterial for steering beam antenna. , 2007, , .		0
184	Asymmetric geometry creates a negative index metamaterial in the microwave regime. , 2007, , .		0
185	Cylindrical radome in x band using a controllable electromagnetic band gap material. , 2007, , .		0
186	Passive and active reconfigurable resonant metamaterial cavity for beam deflection. , 2007, , .		0
187	Full characterization of planar infrared metamaterials from far field diffraction pattern. , 2008, , .		0
188	Design of an ultra-directive antenna using spatial coordinate transformation. , 2009, , .		0
189	Experimental verification of an ultra-directive emission based on transformation optics concept. , 2011, , .		0
190	Metamaterial-based compact cylindrical base station antennas. , 2013, , .		0
191	Reducing and increasing the apparent size of electromagnetic sources through transformation optics. , 2013, , .		0
192	Coordinate transformation applied to change physical appearance of radiating sources. , 2013, , .		0
193	Broadband metamaterial-based half Maxwell fish-eye lens antenna. , 2013, , .		0
194	New trends in antenna design: transformation optics approach. IOP Conference Series: Materials Science and Engineering, 2013, 44, 012012.	0.6	0
195	Design of a waveguide tapering device via coordinate transformation. , 2014, , .		0
196	Creation of multiple beams following a spiral path by transformation electromagnetics concept. , 2014, , .		0
197	Application of transformation electromagnetics for omnidirectional emission. , 2014, , .		0
198	Phase-compensated metasurface for conformal sectoral beam antennas. , 2014, , .		0

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199	Modeling of beam steering from a phase-gradient metasurface. , 2015, , .		0
200	Beam steering lens based on transformation electromagnetics concept. , 2015, , .		0
201	Dark modes excitation and symmetry related properties of metasurfaces. , 2015, , .		0
202	Metasurfaces for antennas and sensors. , 2016, , .		0
203	All-dielectric microwave devices for controlling the path of electromagnetic waves. , 2016, , .		0
204	Engineering of inductance for beam steering antenna applications. Electronics Letters, 2017, 53, 373-375.	1.0	0
205	Sharp fano resonances in Bi-layered symmetric Z-structures. , 2017, , .		0
206	Reconfigurable Reflective Metasurface for Linear to Circular Polarization Conversion. , 2018, , .		0
207	Directive Reconfigurable Fabry-Perot Cavity Antenna for Space Applications. , 2018, , .		0
208	Refractive Index Engineering in 3D Printed Dielectric Substrates for Beam Steering. , 2018, , .		0
209	Coordinate Transformation Based Field Tapering Device. , 2018, , .		0
210	Space Transformation for Vortex Beam Generation. , 2018, , .		0
211	Dark-Mode Characteristics of Metasurfaces Engineered by Symmetry Matching of Resonant Elements and Electromagnetic Fields. Springer Series in Optical Sciences, 2018, , 219-239.	0.7	0
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