

George Eleftheriades

List of Publications by Year in descending order

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288
papers

9,708
citations

31949

53
h-index

45285

90
g-index

289
all docs

289
docs citations

289
times ranked

4727
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-Field Angular Scan Enhancement of Antenna Arrays Using Metasurfaces. IEEE Transactions on Antennas and Propagation, 2023, 71, 2350-2362.	3.1	2
2	Prospects of Huygens's™ Metasurfaces for Antenna Applications. Engineering, 2022, 11, 21-26.	3.2	15
3	Microwave Space-Time-Modulated Metasurfaces. ACS Photonics, 2022, 9, 305-318.	3.2	49
4	Analytical Study of Dirac Type Dispersion in Simple Periodic Waveguide Structures for Leaky-Wave Applications. IEEE Access, 2022, 10, 25707-25717.	2.6	2
5	Slotted Waveguide Frequency-Scanned Slow-Wave Antenna With Reduced Sensitivity of the Closed Stopband at Millimeter-Wave Frequencies. IEEE Access, 2022, 10, 27783-27793.	2.6	2
6	Extreme Beam-Forming With Impedance Metasurfaces Featuring Embedded Sources and Auxiliary Surface Wave Optimization. IEEE Access, 2022, 10, 28670-28684.	2.6	23
7	Lightweight Low-Noise Linear Isolator Integrating Phase- and Amplitude-Engineered Temporal Loops. Advanced Materials Technologies, 2022, 7, .	3.0	2
8	Computational Non-scanning Incoherent Superoscillatory Imaging. ACS Photonics, 2022, 9, 290-295.	3.2	2
9	Static and Reconfigurable Huygens's™ Metasurfaces: Use in Antenna Beamforming and Beam Steering. IEEE Antennas and Propagation Magazine, 2022, 64, 73-84.	1.2	14
10	Huygens' Metasurfaces for Antenna Beamforming and Beamsteering. , 2022, , .		1
11	Huygens' Metasurfaces for Extending the Scan-range of Phased arrays. , 2022, , .		2
12	Microwave Huygens's™ Metasurfaces: Fundamentals and Applications. IEEE Journal of Microwaves, 2021, 1, 374-388.	4.9	44
13	Guided-Wave-Excited Binary Huygens's™ Metasurfaces for Dynamic Beamforming. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2324-2328.	2.4	5
14	Invisibility cloaking with passive and active Huygens's' metasurfaces. Applied Physics Letters, 2021, 118, .	1.5	12
15	Synthesis of Super-Oscillatory Point-Spread Functions with Taylor-Like Tapered Sidelobes for Advanced Optical Super-Resolution Imaging. Photonics, 2021, 8, 64.	0.9	5
16	Efficient Aperture Illumination and Beamforming with Huygens's™ Metasurfaces Exciting Surface Waves. , 2021, , .		2
17	Omega Bianisotropic Huygens's™ Metamaterial Lens for Matching Improvement of W-Band Substrate Integrated E-Plane Horn. , 2021, , .		1
18	Active Huygens's™ Box: Arbitrary Electromagnetic Wave Generation With an Electronically Controlled Metasurface. IEEE Transactions on Antennas and Propagation, 2021, 69, 1455-1468.	3.1	21

#	ARTICLE	IF	CITATIONS
19	Programmable nonreciprocal meta-prism. Scientific Reports, 2021, 11, 7377.	1.6	32
20	Dual-Band Reflective Metagratings With Interleaved Meta-Wires. IEEE Transactions on Antennas and Propagation, 2021, 69, 2181-2193.	3.1	20
21	Guided-Wave-Excited Binary Huygens TM Metasurfaces for Dynamic Radiated-Beam Shaping with Independent Gain and Scan-Angle Control. Physical Review Applied, 2021, 15, .	1.5	15
22	Pure and Linear Frequency-Conversion Temporal Metasurface. Physical Review Applied, 2021, 15, .	1.5	21
23	Multi-Functional Metasurface: Visibly and RF Transparent, NIR Control and Low Thermal Emissivity. Advanced Optical Materials, 2021, 9, 2100176.	3.6	11
24	Full-duplex reflective beamsteering metasurface featuring magnetless nonreciprocal amplification. Nature Communications, 2021, 12, 4414.	5.8	58
25	Meandered and Dispersion-Enhanced Planar Leaky-Wave Antenna With Fast Beam Scanning. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1596-1600.	2.4	10
26	Analysis and Design of General Printed Circuit Board Metagratings With an Equivalent Circuit Model Approach. IEEE Transactions on Antennas and Propagation, 2021, 69, 4657-4669.	3.1	24
27	Arbitrary Wave Transformations With Huygens TM Metasurfaces Through Surface-Wave Optimization. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1750-1754.	2.4	31
28	A Continuously Tunable Phase Shifter Using Surface Waves. IEEE Journal of Microwaves, 2021, 1, 989-996.	4.9	3
29	Fixed-Frequency Beam-Steering Using Slotted Waveguide With Tunable Impedance Walls. IEEE Open Journal of Antennas and Propagation, 2021, 2, 978-990.	2.5	9
30	Experimental demonstration of peripherally-excited antenna arrays. Nature Communications, 2021, 12, 6109.	5.8	7
31	Near-Perfect Absorbing Copper Metamaterial for Solar Fuel Generation. Nano Letters, 2021, 21, 9124-9130.	4.5	23
32	Incident-Field Estimation for Active Cloaking. Physical Review Applied, 2021, 16, .	1.5	0
33	Extreme Beam-forming with Metagrating-assisted Planar Antennas. , 2021, , .		3
34	Shifted-Beam Array Coil for Highly Focal Transcranial Magnetic Stimulation. , 2021, , .		0
35	Omega-Bianisotropic Wire-Loop Huygens TM Metasurface for Reflectionless Wide-Angle Refraction. IEEE Transactions on Antennas and Propagation, 2020, 68, 1477-1490.	3.1	31
36	Peripherally Excited Phased Array Architecture for Beam Steering with Reduced Number of Active Elements. IEEE Transactions on Antennas and Propagation, 2020, 68, 1249-1260.	3.1	18

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37	A Thin Double-Mesh Metamaterial Radome for Wide-Angle and Broadband Applications at Millimeter-Wave Frequencies. IEEE Transactions on Antennas and Propagation, 2020, 68, 2176-2185.	3.1	22
38	Reconfigurable Leaky-wave Antennas with Independent Control of the Leakage Constant and Radiation Angle. , 2020, , .		5
39	Dirac leaky wave antenna for millimetre-wave applications. IET Microwaves, Antennas and Propagation, 2020, 14, 874-883.	0.7	9
40	A Frequency-Scanned Slow-Wave Waveguide Antenna at Millimeter-Wave Frequencies. IEEE Access, 2020, 8, 174910-174921.	2.6	3
41	Realizing Antenna Arrays with Huygens's™ Metasurface Pairs Based on a Moment-Method-Like Design. , 2020, , .		2
42	Peripherally Excited Phased Arrays with Practical Active Huygens's™ Sources and Slot Elements. , 2020, , .		2
43	Space-Time Medium Functions as a Perfect Antenna-Mixer-Amplifier Transceiver. Physical Review Applied, 2020, 14, .	1.5	24
44	Design of Compact Huygens's™ Metasurface Pairs With Multiple Reflections for Arbitrary Wave Transformations. IEEE Transactions on Antennas and Propagation, 2020, 68, 7382-7394.	3.1	29
45	Full-Duplex Nonreciprocal Beam Steering by Time-Modulated Phase-Gradient Metasurfaces. Physical Review Applied, 2020, 14, .	1.5	60
46	Active Cloaking of a Non-Uniform Scatterer. Scientific Reports, 2020, 10, 2021.	1.6	13
47	Design and Experimental Demonstration of Impedance-Matched Circular-Polarization-Selective Surfaces with Spin-Selective Phase Modulations. Physical Review Applied, 2020, 13, .	1.5	9
48	Discrete-Fourier-Transform-Based Framework for Analysis and Synthesis of Cylindrical Ω -Bianisotropic Metasurfaces. Physical Review Applied, 2020, 14, .	1.5	22
49	Approach to the analysis and synthesis of cylindrical metasurfaces with noncircular cross sections based on conformal transformations. Physical Review B, 2020, 102, .	1.1	9
50	Surface-Waves Optimization for Beamforming with a Single Ω -bianisotropic Huygens' Metasurface. , 2020, , .		9
51	Huygens's™-metasurface-assisted Reconfigurable Leaky-Wave Antennas with Dynamically-Controlled Radiation Patterns. , 2020, , .		1
52	Theory and Simulation of Metasurface Lenses for Extending the Angular Scan Range of Phased Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 3705-3717.	3.1	21
53	Optically and radio frequency (RF) transparent meta-glass. Nanophotonics, 2020, 9, 3889-3898.	2.9	8
54	Perspectives on Huygens's™ Metasurfaces for Antenna Beamforming. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
55	Generalized Space-Time-Periodic Diffraction Gratings: Theory and Applications. Physical Review Applied, 2019, 12, .	1.5	79
56	Remembering Keith G. Balmain [In Memoriam]. IEEE Antennas and Propagation Magazine, 2019, 61, 138-138.	1.2	0
57	Roadmap on metasurfaces. Journal of Optics (United Kingdom), 2019, 21, 073002.	1.0	146
58	Augmented Huygensâ€™™ Metasurfaces Employing Baffles for Precise Control of Wave Transformations. IEEE Transactions on Antennas and Propagation, 2019, 67, 6935-6946.	3.1	39
59	Augmented Unit Cells for Realizing TM-Polarized Huygensâ€™™ Metasurfaces. , 2019, , .		2
60	Peripherally Excited Phased Arrays: Beam Steering with Reduced Number of Antenna Elements. , 2019, , .		6
61	Reconfigurability Mechanisms With Scanning Rate Control for Omega-Bianisotropic Huygensâ€™™ Metasurface Leaky-Wave Antennas. IEEE Access, 2019, 7, 168247-168260.	2.6	10
62	Miniaturized Circularly Polarized Doppler Radar for Human Vital Sign Detection. IEEE Transactions on Antennas and Propagation, 2019, 67, 7022-7030.	3.1	36
63	Experimental Active Cloaking of a Metallic Polygonal Cylinder. , 2019, , .		5
64	Roadmap on superoscillations. Journal of Optics (United Kingdom), 2019, 21, 053002.	1.0	111
65	Design and Experimental Verification of a Passive Huygensâ€™™ Metasurface Lens for Gain Enhancement of Frequency-Scanning Slotted-Waveguide Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 4678-4692.	3.1	58
66	Impedance-matched circular polarization selective surfaces with spin-selective phase modulation. , 2019, , .		0
67	Non-local power wave transformations using Omega Bianisotropic Huygensâ€™™ Metasurface Pairs. , 2019, , .		3
68	Omega-bianisotropic Wire-Loop Huygensâ€™™ Metasurface for Wide-Angle Refraction. , 2019, , .		1
69	A Leaky-Wave Antenna With Controlled Radiation Using a Bianisotropic Huygensâ€™™ Metasurface. IEEE Transactions on Antennas and Propagation, 2019, 67, 108-120.	3.1	59
70	A Technique for Designing Multilayer Multistopband Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 780-789.	3.1	40
71	Perfect Anomalous Reflection with a Bipartite Huygensâ€™™ Metasurface. Physical Review X, 2018, 8, .	2.8	212
72	Huygensâ€™™ metasurfaces from microwaves to optics: a review. Nanophotonics, 2018, 7, 1207-1231.	2.9	143

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73	Matched, Low-Loss, and Wideband Graded-Index Flat Lenses for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 1114-1123.	3.1	40
74	Theory, design, and experimental verification of a reflectionless bianisotropic Huygens' metasurface for wide-angle refraction. Physical Review B, 2018, 97, .	1.1	128
75	Binary Huygensâ€™™ Metasurfaces: Experimental Demonstration of Simple and Efficient Near-Grazing Retroreflectors for TE and TM Polarizations. IEEE Transactions on Antennas and Propagation, 2018, 66, 2892-2903.	3.1	64
76	Design and Demonstration of Impedance-matched Dual-band Chiral Metasurfaces. Scientific Reports, 2018, 8, 3449.	1.6	11
77	A Passive Redirecting Van Atta-Type Reflector. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 689-692.	2.4	15
78	A New Gosper Island Fractal UWB Monopole Antenna with Enhanced Bandwidth Characteristics. , 2018, , .		7
79	Active Surface Cloaking with Patch Antennas. , 2018, , .		4
80	Experimental Demonstration of the Huygens' Box: Arbitrary Waveform Generation in a Metallic Cavity. , 2018, , .		8
81	A Unit Cell for Bianisotropic Huygens' Metasurface Designs. , 2018, , .		0
82	High Aperture Efficiency 2D Center-fed Transmission Line-Grid Antenna. , 2018, , .		0
83	Recent Advances in Huygensâ€™™ Metasurfaces. , 2018, , .		3
84	SIW based Dirac Leaky-Wave Antenna. , 2018, , .		8
85	Active Huygens' Cloaks for Arbitrary Metallic Polygonal Cylinders. , 2018, , .		7
86	Generalized Synthesis Technique for High-Order Low-Profile Dual-Band Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 6033-6042.	3.1	34
87	Bianisotropic Huygensâ€™™ Metasurface for Wideband Impedance Matching Between Two Dielectric Media. IEEE Transactions on Antennas and Propagation, 2018, 66, 4729-4742.	3.1	50
88	Two-dimensional Center-fed Transmission-Line-Grid Antenna for Highly Efficient Broadside Radiation. Physical Review Applied, 2018, 10, .	1.5	3
89	Bianisotropic Huygensâ€™™ Metasurface Pairs for Nonlocal Power-Conserving Wave Transformations. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1788-1792.	2.4	36
90	Arbitrary Antenna Arrays Without Feed Networks Based on Cavity-Excited Omega-Bianisotropic Metasurfaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 1749-1756.	3.1	53

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91	Broadband superoscillation brings a wave into perfect three-dimensional focus. Physical Review B, 2017, 95, .	1.1	15
92	Bianisotropic Huygens' metasurface leaky-wave antenna with flexible design parameters. , 2017, , .		6
93	Binary Huygens' metasurface: A simple and efficient retroreflector at near-grazing angles. , 2017, , .		8
94	Emulating arbitrary antenna arrays with low-profile probe-fed cavity-excited omega-bianisotropic metasurface antennas. , 2017, , .		1
95	Pencil-Beam Single-Point-Fed Dirac Leaky-Wave Antenna on a Transmission-Line Grid. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 545-548.	2.4	12
96	Dual-band chiral metasurfaces. , 2017, , .		3
97	Perfect anomalous reflection with an aggressively discretized Huygens' metasurface. , 2017, , .		2
98	Superresolution far-field imaging of complex objects using reduced superoscillating ripples. Optica, 2017, 4, 1126.	4.8	49
99	Super-resolution far-field imaging of structured objects using superoscillations. , 2017, , .		0
100	A highly-efficient flat graded-index dielectric lens for millimeter-wave application. , 2017, , .		5
101	Highly efficient all-dielectric optical tensor impedance metasurfaces for chiral polarization control. Optics Letters, 2016, 41, 4831.	1.7	20
102	Active Huygens' metasurfaces for RF waveform synthesis in a cavity. , 2016, , .		17
103	Synthesis of Passive Lossless Metasurfaces Using Auxiliary Fields for Reflectionless Beam Splitting and Perfect Reflection. Physical Review Letters, 2016, 117, 256103.	2.9	243
104	Vanadium-dioxide-assisted digital optical metasurfaces for dynamic wavefront engineering. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 980.	0.9	48
105	Modal analysis and closure of the bandgap in 2D transmission-line grids. , 2016, , .		8
106	Transmission-line metamaterials and their relation to the transmission-line matrix method. , 2016, , .		1
107	Arbitrary Power-Conserving Field Transformations With Passive Lossless Omega-Type Bianisotropic Metasurfaces. IEEE Transactions on Antennas and Propagation, 2016, 64, 3880-3895.	3.1	217
108	Design considerations for slotted substrate integrated waveguide leaky-wave antennas. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
109	Low-profile antennas with 100% aperture efficiency based on cavity-excited omega-type bianisotropic metasurfaces. , 2016, , .		4
110	Huygensâ€™™ metasurfaces via the equivalence principle: design and applications. Journal of the Optical Society of America B: Optical Physics, 2016, 33, A31.	0.9	266
111	Cavity-excited Huygensâ€™™ metasurface antennas for near-unity aperture illumination efficiency from arbitrarily large apertures. Nature Communications, 2016, 7, 10360.	5.8	171
112	Reflectionless Wide-Angle Refracting Metasurfaces. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1293-1296.	2.4	155
113	Eliminating Beam-Squinting in Wideband Linear Series-Fed Antenna Arrays Using Feed Networks Constructed by Slow-Wave Transmission Lines. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 798-801.	2.4	17
114	A simple active Huygens source for studying waveform synthesis with Huygens metasurfaces and antenna arrays. , 2015, , .		11
115	Dirac leaky-wave antennas for continuous beam scanning from photonic crystals. Nature Communications, 2015, 6, 5855.	5.8	82
116	Polarization Considerations for Scalar Huygens Metasurfaces and Characterization for 2-D Refraction. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 913-924.	2.9	54
117	Single- and Dual-Band Transparent Circularly Polarized Patch Antennas With Metamaterial Loading. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 470-473.	2.4	34
118	Superoscillations without Sidebands: Power-Efficient Sub-Diffraction Imaging with Propagating Waves. Scientific Reports, 2015, 5, 8449.	1.6	29
119	Beam-Squinting Reduction of Leaky-Wave Antennas Using Huygens Metasurfaces. IEEE Transactions on Antennas and Propagation, 2015, 63, 978-992.	3.1	64
120	Arbitrary-Angle Squint-Free Beamforming in Series-Fed Antenna Arrays Using Non-Foster Elements Synthesized by Negative-Group-Delay Networks. IEEE Transactions on Antennas and Propagation, 2015, 63, 1997-2010.	3.1	94
121	Analysis of anisotropic epsilon-near-zero hetero-junction lens for concentration and beam splitting. Optics Letters, 2015, 40, 1010.	1.7	6
122	Chiral polarization control using cascaded tensor impedance surfaces. , 2015, , .		2
123	Analysis and Characterization of a Wide-Angle Impedance Matching Metasurface for Dipole Phased Arrays. IEEE Transactions on Antennas and Propagation, 2015, 63, 3928-3938.	3.1	100
124	A wide-angle scanning leaky-wave antenna loaded with a wideband metasurface. , 2015, , .		0
125	Modelling and measurement of cascaded tensor impedance surfaces for polarization control. , 2015, , .		0
126	Ray-oriented design of Huygens metasurfaces for multiple source excitation. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
127	Rotated infrared antenna transmitarray for the manipulation of circularly polarized wavefronts. EPJ Applied Metamaterials, 2014, 1, 8.	0.8	4
128	Implementing tensor Huygens surfaces for polarization control using rotated loops and dipoles. , 2014, , .		2
129	All-dielectric steerable leaky-wave THz antenna. , 2014, , .		1
130	Optical Huygensâ€™™ Metasurfaces with Independent Control of the Magnitude and Phase of the Local Reflection Coefficients. Physical Review X, 2014, 4, .	2.8	111
131	Superdirectivity-based superoscillatory waveform design: A practical path to far-field sub-diffraction imaging. , 2014, , .		9
132	Manipulating antenna radiation patterns with angle holography. , 2014, , .		1
133	A metamaterial transition layer for free-space radiation from a slot-line leaky-wave antenna. , 2014, , .		4
134	Floquet-Bloch analysis of refracting Huygens metasurfaces. Physical Review B, 2014, 90, .	1.1	56
135	Polarization Control Using Tensor Huygens Surfaces. IEEE Transactions on Antennas and Propagation, 2014, 62, 6155-6168.	3.1	73
136	Protecting the weak from the strong. Nature, 2014, 505, 490-491.	13.7	47
137	Passive Lossless Huygens Metasurfaces for Conversion of Arbitrary Source Field to Directive Radiation. IEEE Transactions on Antennas and Propagation, 2014, 62, 5680-5695.	3.1	220
138	A thin printed metasurface for microwave refraction. , 2014, , .		8
139	An Ultra-Compact Microstrip Crossover Inspired by Contra-Directional Even and Odd Mode Propagation. IEEE Microwave and Wireless Components Letters, 2014, 24, 436-438.	2.0	12
140	A wide-angle impedance matching metasurface. , 2014, , .		6
141	Some perspectives on the modes guided by negative-permittivity slabs. , 2014, , .		0
142	Tensor huygens surfaces. , 2014, , .		0
143	Design of unit cells and demonstration of methods for synthesizing Huygens metasurfaces. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 360-375.	1.0	93
144	A Resonant Printed Monopole Antenna With an Embedded Non-Foster Matching Network. IEEE Transactions on Antennas and Propagation, 2013, 61, 5363-5371.	3.1	45

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145	Experimental Demonstration of Active Electromagnetic Cloaking. Physical Review X, 2013, 3, .	2.8	107
146	Realizing Non-Foster Reactive Elements Using Negative-Group-Delay Networks. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4322-4332.	2.9	104
147	Comment on "Propagation and Negative Refraction" [Backscatter]. IEEE Microwave Magazine, 2013, 14, 24-30.	0.7	3
148	Dual-Polarized Volumetric Transmission-Line Metamaterials. IEEE Transactions on Antennas and Propagation, 2013, 61, 2550-2560.	3.1	5
149	Circuit Modeling of Huygens Surfaces. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1642-1645.	2.4	69
150	2D and 3D sub-diffraction source imaging with a superoscillatory filter. Optics Express, 2013, 21, 8142.	1.7	31
151	Ultra-wideband optical leaky-wave slot antennas: errata. Optics Express, 2013, 21, 13184.	1.7	0
152	Design of thin infrared quarter-wave and half-wave plates using antenna-array sheets. Optics Express, 2013, 21, 24468.	1.7	8
153	Discontinuous electromagnetic fields using orthogonal electric and magnetic currents for wavefront manipulation. Optics Express, 2013, 21, 14409.	1.7	318
154	An Optical Super-Microscope for Far-field, Real-time Imaging Beyond the Diffraction Limit. Scientific Reports, 2013, 3, 1715.	1.6	100
155	2D multiplier with left-handed focusing lens for terahertz signal generation. , 2013, , .		1
156	A transient analysis of negative refraction at the interface between two transmission-line grids. , 2013, , .		0
157	Imaging beyond the diffraction limit by employing a super-oscillatory filter. , 2013, , .		0
158	Unilateral non-Foster elements using loss-compensated negative-group-delay networks for guided-wave applications. , 2013, , .		11
159	An active surface cloak based on the equivalence principle. , 2013, , .		0
160	Experimental validation of ray-tracing based assessment of MIMO performance. , 2013, , .		0
161	Squint-free beamforming in series-fed antenna arrays using synthesized non-foster elements. , 2013, , .		9
162	Light concentration using hetero-junctions of anisotropic low permittivity metamaterials. Light: Science and Applications, 2013, 2, e114-e114.	7.7	36

#	ARTICLE	IF	CITATIONS
163	DIPOLE RADIATION NEAR ANISOTROPIC LOW-PERMITTIVITY MEDIA. Progress in Electromagnetics Research, 2013, 142, 437-462.	1.6	6
164	Enabling two-dimensional optical subdiffraction imaging at an extended working distance: a planar antenna-array approach. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1119.	0.9	0
165	Dual polarized negative refraction in a volumetric transmission-line metamaterial. , 2012, , .		0
166	Sub-wavelength focusing and imaging using shifted-beam and super-oscillation antenna arrays. , 2012, , .		0
167	Advances in Imaging Beyond the Diffraction Limit. IEEE Photonics Journal, 2012, 4, 586-589.	1.0	6
168	Superoscillatory Radar Imaging: Improving Radar Range Resolution Beyond Fundamental Bandwidth Limitations. IEEE Microwave and Wireless Components Letters, 2012, 22, 147-149.	2.0	20
169	Metascreen-Based Superdirective Antenna in the Optical Frequency Regime. Physical Review Letters, 2012, 109, 223901.	2.9	25
170	A dual-polarized transmission-line metamaterial unit cell. , 2012, , .		1
171	Negative-refractive-index transmission-line metamaterial-loaded dipole antennas. , 2012, , .		0
172	Two Compact, Wideband, and Decoupled Meander-Line Antennas Based on Metamaterial Concepts. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1277-1280.	2.4	14
173	Multiband Compact Printed Dipole Antennas Using NRI-TL Metamaterial Loading. IEEE Transactions on Antennas and Propagation, 2012, 60, 5613-5626.	3.1	65
174	An Active Electromagnetic Cloak Using the Equivalence Principle. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1226-1229.	2.4	80
175	Evanescent-to-propagating wave conversion in sub-wavelength metal-strip gratings. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3893-3907.	2.9	24
176	A wideband metamaterial meander-line antenna. , 2012, , .		2
177	Wheeler's insightful approach to small antennas. , 2012, , .		0
178	Exponentially-decaying traveling-wave resonators by coupled positive-index/negative-index guides. , 2012, , .		0
179	Antenna applications of non-Foster elements. , 2012, , .		3
180	Transforming Electromagnetics Using Metamaterials. IEEE Microwave Magazine, 2012, 13, 26-38.	0.7	22

#	ARTICLE	IF	CITATIONS
181	Multiband microwave passive devices using generalized negative-refractive-index transmission lines (Invited paper). International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 459-468.	0.8	1
182	FDTD Analysis of Sub-Wavelength Focusing Phenomena in Plasmonic Meta-Screens. Journal of Lightwave Technology, 2012, 30, 2054-2061.	2.7	8
183	A Time-Varying Approach to Circuit Modeling of Plasmonic Nanospheres Using Radial Vector Wave Functions. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2595-2611.	2.9	17
184	Meta-screens and near-field antenna-arrays: A new perspective on subwavelength focusing and imaging. Metamaterials, 2011, 5, 97-106.	2.2	13
185	A multi-band NRI-TL metamaterial-loaded bow-tie antenna. , 2011, , .		4
186	Modal Analysis and Wave Propagation in Finite 2D Transmission-Line Metamaterials. IEEE Transactions on Antennas and Propagation, 2011, 59, 1562-1570.	3.1	27
187	A rotated transmission-line metamaterial unit cell for transformation-optics applications. , 2011, , .		1
188	Transmission-Line Metamaterials on a Skewed Lattice for Transformation Electromagnetics. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3272-3282.	2.9	15
189	Ultra-wideband optical leaky-wave slot antennas. Optics Express, 2011, 19, 12392.	1.7	32
190	A Compact Frequency-Reconfigurable Metamaterial-Inspired Antenna. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1154-1157.	2.4	59
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