

George Eleftheriades

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

240
papers

6,723
citations

43
h-index

74
g-index

289
ext. papers

8,388
ext. citations

4.7
avg, IF

6.93
L-index

#	Paper	IF	Citations
240	Analytical Study of Dirac Type Dispersion in Simple Periodic Waveguide Structures for Leaky-Wave Applications. <i>IEEE Access</i> , 2022 , 10, 25707-25717	3.5	0
239	Slotted Waveguide Frequency-Scanned Slow-Wave Antenna With Reduced Sensitivity of the Closed Stopband at Millimeter-Wave Frequencies. <i>IEEE Access</i> , 2022 , 10, 27783-27793	3.5	0
238	Extreme Beam-Forming With Impedance Metasurfaces Featuring Embedded Sources and Auxiliary Surface Wave Optimization. <i>IEEE Access</i> , 2022 , 10, 28670-28684	3.5	3
237	Near-Field Angular Scan Enhancement of Antenna Arrays Using Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
236	Computational Nonscanning Incoherent Superoscillatory Imaging. <i>ACS Photonics</i> , 2022 , 9, 290-295	6.3	0
235	Static and Reconfigurable Huygens' Metasurfaces: Use in Antenna Beamforming and Beam Steering. <i>IEEE Antennas and Propagation Magazine</i> , 2022 , 2-14	1.7	1
234	Experimental demonstration of peripherally-excited antenna arrays. <i>Nature Communications</i> , 2021 , 12, 6109	17.4	1
233	Near-Perfect Absorbing Copper Metamaterial for Solar Fuel Generation. <i>Nano Letters</i> , 2021 , 21, 9124-9130	10.5	3
232	Active Huygens' Box: Arbitrary Electromagnetic Wave Generation With an Electronically Controlled Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1455-1468	4.9	8
231	Programmable nonreciprocal meta-prism. <i>Scientific Reports</i> , 2021 , 11, 7377	4.9	13
230	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2181-2193	4.9	10
229	Guided-Wave-Excited Binary Huygens' Metasurfaces for Dynamic Radiated-Beam Shaping with Independent Gain and Scan-Angle Control. <i>Physical Review Applied</i> , 2021 , 15,	4.3	7
228	Pure and Linear Frequency-Conversion Temporal Metasurface. <i>Physical Review Applied</i> , 2021 , 15,	4.3	6
227	Multi-Functional Metasurface: Visibly and RF Transparent, NIR Control and Low Thermal Emissivity. <i>Advanced Optical Materials</i> , 2021 , 9, 2100176	8.1	1
226	Prospects of Huygens' Metasurfaces for Antenna Applications. <i>Engineering</i> , 2021 , 11, 21-21	9.7	0
225	Full-duplex reflective beamsteering metasurface featuring magnetless nonreciprocal amplification. <i>Nature Communications</i> , 2021 , 12, 4414	17.4	14
224	Microwave Huygens' Metasurfaces: Fundamentals and Applications. <i>IEEE Journal of Microwaves</i> , 2021 , 1, 374-388		12

223	Guided-wave-excited Binary Huygens' Metasurfaces for Dynamic Beamforming. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
222	Invisibility cloaking with passive and active Huygens's metasurfaces. <i>Applied Physics Letters</i> , 2021 , 118, 071903	3.4	2
221	Synthesis of Super-Oscillatory Point-Spread Functions with Taylor-Like Tapered Sidelobes for Advanced Optical Super-Resolution Imaging. <i>Photonics</i> , 2021 , 8, 64	2.2	1
220	Meandered and Dispersion-Enhanced Planar Leaky-Wave Antenna With Fast Beam Scanning. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1596-1600	3.8	3
219	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4657-4669	4.9	8
218	Arbitrary Wave Transformations With Huygens Metasurfaces Through Surface-Wave Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1750-1754	3.8	6
217	A Continuously Tunable Phase Shifter Using Surface Waves. <i>IEEE Journal of Microwaves</i> , 2021 , 1-8		3
216	. <i>IEEE Open Journal of Antennas and Propagation</i> , 2021 , 2, 978-990	1.9	3
215	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7382-7394	4.9	15
214	Full-Duplex Nonreciprocal Beam Steering by Time-Modulated Phase-Gradient Metasurfaces. <i>Physical Review Applied</i> , 2020 , 14,	4.3	25
213	Active Cloaking of a Non-Uniform Scatterer. <i>Scientific Reports</i> , 2020 , 10, 2021	4.9	8
212	Design and Experimental Demonstration of Impedance-Matched Circular-Polarization-Selective Surfaces with Spin-Selective Phase Modulations. <i>Physical Review Applied</i> , 2020 , 13,	4.3	8
211	Discrete-Fourier-Transform-Based Framework for Analysis and Synthesis of Cylindrical Omega-Bianisotropic Metasurfaces. <i>Physical Review Applied</i> , 2020 , 14,	4.3	7
210	Approach to the analysis and synthesis of cylindrical metasurfaces with noncircular cross sections based on conformal transformations. <i>Physical Review B</i> , 2020 , 102,	3.3	4
209	Surface-Waves Optimization for Beamforming with a Single Omega-bianisotropic Huygens' Metasurface 2020 ,		5
208	Huygens metasurface-assisted Reconfigurable Leaky-Wave Antennas with Dynamically-Controlled Radiation Patterns 2020 ,		1
207	Theory and Simulation of Metasurface Lenses for Extending the Angular Scan Range of Phased Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3705-3717	4.9	9
206	Optically and radio frequency (RF) transparent meta-glass. <i>Nanophotonics</i> , 2020 , 9, 3889-3898	6.3	4

205	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1477-1490	4.9	20
204	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1249-1260	4.9	11
203	A Thin Double-Mesh Metamaterial Radome for Wide-Angle and Broadband Applications at Millimeter-Wave Frequencies. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2176-2185	4.9	10
202	Reconfigurable Leaky-wave Antennas with Independent Control of the Leakage Constant and Radiation Angle 2020 ,		3
201	Dirac leaky wave antenna for millimetre-wave applications. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 874-883	1.6	3
200	A Frequency-Scanned Slow-Wave Waveguide Antenna at Millimeter-Wave Frequencies. <i>IEEE Access</i> , 2020 , 8, 174910-174921	3.5	2
199	Peripherally Excited Phased Arrays with Practical Active Huygens Sources and Slot Elements 2020 ,		1
198	Space-Time Medium Functions as a Perfect Antenna-Mixer-Amplifier Transceiver. <i>Physical Review Applied</i> , 2020 , 14,	4.3	9
197	Miniaturized Circularly Polarized Doppler Radar for Human Vital Sign Detection. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7022-7030	4.9	23
196	Experimental Active Cloaking of a Metallic Polygonal Cylinder 2019 ,		4
195	Roadmap on superoscillations. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 053002	1.7	59
194	Design and Experimental Verification of a Passive Huygens Metasurface Lens for Gain Enhancement of Frequency-Scanning Slotted-Waveguide Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4678-4692	4.9	36
193	Generalized Space-Time-Periodic Diffraction Gratings: Theory and Applications. <i>Physical Review Applied</i> , 2019 , 12,	4.3	40
192	Remembering Keith G. Balmain [In Memoriam]. <i>IEEE Antennas and Propagation Magazine</i> , 2019 , 61, 138-138		138
191	Roadmap on metasurfaces. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 073002	1.7	69
190	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6935-6946	4.9	20
189	Augmented Unit Cells for Realizing TM-Polarized Huygens Metasurfaces 2019 ,		1
188	Peripherally Excited Phased Arrays: Beam Steering with Reduced Number of Antenna Elements 2019 ,		4

187	. <i>IEEE Access</i> , 2019 , 7, 168247-168260	3.5	5
186	Non-local power wave transformations using Omega Bianisotropic Huygens' Metasurface Pairs 2019 ,		2
185	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 108-120	4.9	38
184	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 780-789	4.9	24
183	Perfect Anomalous Reflection with a Bipartite Huygens' Metasurface. <i>Physical Review X</i> , 2018 , 8,	9.1	111
182	Huygens' metasurfaces from microwaves to optics: a review. <i>Nanophotonics</i> , 2018 , 7, 1207-1231	6.3	80
181	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1114-1123	4.9	28
180	Theory, design, and experimental verification of a reflectionless bianisotropic Huygens' metasurface for wide-angle refraction. <i>Physical Review B</i> , 2018 , 97,	3.3	85
179	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2892-2903	4.9	37
178	Design and Demonstration of Impedance-matched Dual-band Chiral Metasurfaces. <i>Scientific Reports</i> , 2018 , 8, 3449	4.9	9
177	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 689-692	3.8	11
176	Bianisotropic Huygens' Metasurface for Wideband Impedance Matching Between Two Dielectric Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 4729-4742	4.9	31
175	Two-dimensional Center-fed Transmission-Line-Grid Antenna for Highly Efficient Broadside Radiation. <i>Physical Review Applied</i> , 2018 , 10,	4.3	3
174	Bianisotropic Huygens' Metasurface Pairs for Nonlocal Power-Conserving Wave Transformations. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1788-1792	3.8	22
173	A New Gosper Island Fractal UWB Monopole Antenna with Enhanced Bandwidth Characteristics 2018 ,		4
172	Active Surface Cloaking with Patch Antennas 2018 ,		2
171	Experimental Demonstration of the Huygens' Box: Arbitrary Waveform Generation in a Metallic Cavity 2018 ,		4
170	Recent Advances in Huygens' Metasurfaces 2018 ,		2

169	SIW based Dirac Leaky-Wave Antenna 2018 ,		6
168	Active Huygens' Cloaks for Arbitrary Metallic Polygonal Cylinders 2018 ,		3
167	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6033-6042	4.9	25
166	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1749-1756	4.9	34
165	Broadband superoscillation brings a wave into perfect three-dimensional focus. <i>Physical Review B</i> , 2017 , 95,	3.3	13
164	Bianisotropic Huygens' metasurface leaky-wave antenna with flexible design parameters 2017 ,		5
163	Binary Huygens' metasurface: A simple and efficient retroreflector at near-grazing angles 2017 ,		6
162	A highly-efficient flat graded-index dielectric lens for millimeter-wave application 2017 ,		5
161	Emulating arbitrary antenna arrays with low-profile probe-fed cavity-excited omega-bianisotropic metasurface antennas 2017 ,		1
160	Pencil-Beam Single-Point-Fed Dirac Leaky-Wave Antenna on a Transmission-Line Grid. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 545-548	3.8	9
159	Dual-band chiral metasurfaces 2017 ,		3
158	Perfect anomalous reflection with an aggressively discretized Huygens' metasurface 2017 ,		2
157	Superresolution far-field imaging of complex objects using reduced superoscillating ripples. <i>Optica</i> , 2017 , 4, 1126	8.6	32
156	Eliminating Beam-Squinting in Wideband Linear Series-Fed Antenna Arrays Using Feed Networks Constructed by Slow-Wave Transmission Lines. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 798-801	3.8	10
155	Modal analysis and closure of the bandgap in 2D transmission-line grids 2016 ,		5
154	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3880-3895	4.9	135
153	Design considerations for slotted substrate integrated waveguide leaky-wave antennas 2016 ,		2
152	Low-profile antennas with 100% aperture efficiency based on cavity-excited omega-type bianisotropic metasurfaces 2016 ,		4

151	Huygens' metasurfaces via the equivalence principle: design and applications. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, A31	1.7	186
150	Cavity-excited Huygens' metasurface antennas for near-unity aperture illumination efficiency from arbitrarily large apertures. <i>Nature Communications</i> , 2016 , 7, 10360	17.4	122
149	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1293-1296	3.8	114
148	Highly efficient all-dielectric optical tensor impedance metasurfaces for chiral polarization control. <i>Optics Letters</i> , 2016 , 41, 4831-4834	3	16
147	Active Huygens' metasurfaces for RF waveform synthesis in a cavity 2016 ,		12
146	Synthesis of Passive Lossless Metasurfaces Using Auxiliary Fields for Reflectionless Beam Splitting and Perfect Reflection. <i>Physical Review Letters</i> , 2016 , 117, 256103	7.4	152
145	Vanadium-dioxide-assisted digital optical metasurfaces for dynamic wavefront engineering. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, 980	1.7	40
144	Beam-Squinting Reduction of Leaky-Wave Antennas Using Huygens Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 978-992	4.9	44
143	Arbitrary-Angle Squint-Free Beamforming in Series-Fed Antenna Arrays Using Non-Foster Elements Synthesized by Negative-Group-Delay Networks. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1997-2010	4.9	66
142	Analysis of anisotropic epsilon-near-zero hetero-junction lens for concentration and beam splitting. <i>Optics Letters</i> , 2015 , 40, 1010-3	3	4
141	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3928-3938	4.9	66
140	A simple active Huygens source for studying waveform synthesis with Huygens metasurfaces and antenna arrays 2015 ,		6
139	Dirac leaky-wave antennas for continuous beam scanning from photonic crystals. <i>Nature Communications</i> , 2015 , 6, 5855	17.4	59
138	Polarization Considerations for Scalar Huygens Metasurfaces and Characterization for 2-D Refraction. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 913-924	4.1	41
137	Single- and Dual-Band Transparent Circularly Polarized Patch Antennas With Metamaterial Loading. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 470-473	3.8	23
136	Superoscillations without sidebands: power-efficient sub-diffraction imaging with propagating waves. <i>Scientific Reports</i> , 2015 , 5, 8449	4.9	24
135	Electronics: Protecting the weak from the strong. <i>Nature</i> , 2014 , 505, 490-1	50.4	28
134	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5680-5695	4.9	147

133	A thin printed metasurface for microwave refraction 2014 ,		7
132	An Ultra-Compact Microstrip Crossover Inspired by Contra-Directional Even and Odd Mode Propagation. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 436-438	2.6	10
131	A wide-angle impedance matching metasurface 2014 ,		5
130	Design of unit cells and demonstration of methods for synthesizing Huygens metasurfaces. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2014 , 12, 360-375	2.6	66
129	Rotated infrared antenna transmitarray for the manipulation of circularly polarized wavefronts. <i>EPJ Applied Metamaterials</i> , 2014 , 1, 8	0.8	3
128	Implementing tensor Huygens surfaces for polarization control using rotated loops and dipoles 2014 ,		2
127	Optical Huygens Metasurfaces with Independent Control of the Magnitude and Phase of the Local Reflection Coefficients. <i>Physical Review X</i> , 2014 , 4,	9.1	84
126	Superdirectivity-based superoscillatory waveform design: A practical path to far-field sub-diffraction imaging 2014 ,		6
125	Manipulating antenna radiation patterns with angle holography 2014 ,		1
124	A metamaterial transition layer for free-space radiation from a slot-line leaky-wave antenna 2014 ,		2
123	Floquet-Bloch analysis of refracting Huygens metasurfaces. <i>Physical Review B</i> , 2014 , 90,	3.3	43
122	Polarization Control Using Tensor Huygens Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 6155-6168	4.9	61
121	A Resonant Printed Monopole Antenna With an Embedded Non-Foster Matching Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5363-5371	4.9	35
120	Experimental Demonstration of Active Electromagnetic Cloaking. <i>Physical Review X</i> , 2013 , 3,	9.1	76
119	Realizing Non-Foster Reactive Elements Using Negative-Group-Delay Networks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4322-4332	4.1	75
118	Comment on "Propagation and Negative Refraction" [Backscatter]. <i>IEEE Microwave Magazine</i> , 2013 , 14, 24-30	1.2	2
117	Dual-Polarized Volumetric Transmission-Line Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2550-2560	4.9	4
116	Circuit Modeling of Huygens Surfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1642-1645	4.8	52

115	2D and 3D sub-diffraction source imaging with a superoscillatory filter. <i>Optics Express</i> , 2013 , 21, 8142-563,3		25
114	Ultra-wideband optical leaky-wave slot antennas: errata. <i>Optics Express</i> , 2013 , 21, 13184	3.3	
113	Design of thin infrared quarter-wave and half-wave plates using antenna-array sheets. <i>Optics Express</i> , 2013 , 21, 24468-74	3.3	8
112	Discontinuous electromagnetic fields using orthogonal electric and magnetic currents for wavefront manipulation. <i>Optics Express</i> , 2013 , 21, 14409-29	3.3	201
111	An optical super-microscope for far-field, real-time imaging beyond the diffraction limit. <i>Scientific Reports</i> , 2013 , 3, 1715	4.9	82
110	Unilateral non-Foster elements using loss-compensated negative-group-delay networks for guided-wave applications 2013 ,		9
109	Squint-free beamforming in series-fed antenna arrays using synthesized non-foster elements 2013 ,		8
108	Light concentration using hetero-junctions of anisotropic low permittivity metamaterials. <i>Light: Science and Applications</i> , 2013 , 2, e114-e114	16.7	28
107	DIPOLE RADIATION NEAR ANISOTROPIC LOW-PERMITTIVITY MEDIA. <i>Progress in Electromagnetics Research</i> , 2013 , 142, 437-462	3.8	5
106	FDTD Analysis of Sub-Wavelength Focusing Phenomena in Plasmonic Meta-Screens. <i>Journal of Lightwave Technology</i> , 2012 , 30, 2054-2061	4	7
105	Superoscillatory Radar Imaging: Improving Radar Range Resolution Beyond Fundamental Bandwidth Limitations. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 147-149	2.6	13
104	Metascreen-based superdirective antenna in the optical frequency regime. <i>Physical Review Letters</i> , 2012 , 109, 223901	7.4	20
103	Two Compact, Wideband, and Decoupled Meander-Line Antennas Based on Metamaterial Concepts. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1277-1280	3.8	10
102	Multiband Compact Printed Dipole Antennas Using NRI-TL Metamaterial Loading. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 5613-5626	4.9	44
101	An Active Electromagnetic Cloak Using the Equivalence Principle. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1226-1229	3.8	65
100	Evanescent-to-propagating wave conversion in sub-wavelength metal-strip gratings. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3893-3907	4.1	16
99	Antenna applications of non-Foster elements 2012 ,		3
98	Transforming Electromagnetics Using Metamaterials. <i>IEEE Microwave Magazine</i> , 2012 , 13, 26-38	1.2	18

97	Multiband microwave passive devices using generalized negative-refractive-index transmission lines (Invited paper). <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2012 , 22, 459-468	1.5	1
96	Enabling two-dimensional optical subdiffraction imaging at an extended working distance: a planar antenna-array approach. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 1119	1.7	
95	Advances in Imaging Beyond the Diffraction Limit. <i>IEEE Photonics Journal</i> , 2012 , 4, 586-589	1.8	6
94	Meta-screens and near-field antenna-arrays: A new perspective on subwavelength focusing and imaging. <i>Metamaterials</i> , 2011 , 5, 97-106		12
93	A multi-band NRI-TL metamaterial-loaded bow-tie antenna 2011 ,		4
92	Modal Analysis and Wave Propagation in Finite 2D Transmission-Line Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 1562-1570	4.9	23
91	Transmission-Line Metamaterials on a Skewed Lattice for Transformation Electromagnetics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 3272-3282	4.1	12
90	Ultra-wideband optical leaky-wave slot antennas. <i>Optics Express</i> , 2011 , 19, 12392-401	3.3	30
89	A Compact Frequency-Reconfigurable Metamaterial-Inspired Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1154-1157	3.8	48
88	Anisotropic Transmission-Line Metamaterials for 2-D Transformation Optics Applications. <i>Proceedings of the IEEE</i> , 2011 , 99, 1634-1645	14.3	28
87	Metamaterials: Fundamentals and Applications in the Microwave and Optical Regimes [Scanning the Issue]. <i>Proceedings of the IEEE</i> , 2011 , 99, 1618-1621	14.3	16
86	Temporal Pulse Compression Beyond the Fourier Transform Limit. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2173-2179	4.1	27
85	Sub-Wavelength Focusing at the Multi-Wavelength Range Using Superoscillations: An Experimental Demonstration. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 4766-4776	4.9	41
84	Multimode Impedance Representation of Scattering, Absorption and Extinction Cross-Sectional Areas for Plasmonic Nanoparticles. <i>Journal of Lightwave Technology</i> , 2011 , 29, 2512-2526	4	6
83	A Time-Varying Approach to Circuit Modeling of Plasmonic Nanospheres Using Radial Vector Wave Functions. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2595-2611	4.1	11
82	Study of resonance-cone propagation in truncated hyperbolic metamaterial grids using transmission-line matrix simulations. <i>Journal of the Franklin Institute</i> , 2011 , 348, 1285-1297	4	7
81	FDTD analysis of meta-screens for sub-wavelength focusing 2011 ,		3
80	Experimental Verification of the Effective Medium Properties of a Transmission-Line Metamaterial on a Skewed Lattice. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1495-1498	3.8	3

79	A compact low-profile high-impedance surface for use as an antenna ground plane 2011 ,		2
78	A sheared transmission-line metamaterial unit cell with a full material tensor 2011 ,		4
77	Experimental verification of subwavelength acoustic focusing using a near-field array of closely spaced elements. <i>Journal of the Acoustical Society of America</i> , 2011 , 130, EL405-9	2.2	6
76	Two-dimensional subwavelength-focused imaging using a near-field probe at a $\lambda/4$ working distance. <i>Journal of Applied Physics</i> , 2010 , 107, 093102	2.5	16
75	A multiband monopole antenna using a double-tuned wheeler matching network 2010 ,		4
74	Negative and zero group velocity in microstrip/negative-refractive-index transmission-line couplers 2010 ,		4
73	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 315-318	3.8	46
72	A dual-band leaky-wave antenna based on generalized negative-refractive-index transmission-lines 2010 ,		9
71	On the Independence of the Excitation of Complex Modes in Isotropic Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1567-1578	4.9	16
70	A Compact Tri-Band Monopole Antenna With Single-Cell Metamaterial Loading. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1031-1038	4.9	148
69	Spatial Harmonics and Homogenization of Negative-Refractive-Index Transmission-Line Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1521-1531	4.1	7
68	A Compact Printed Antenna With an Embedded Double-Tuned Metamaterial Matching Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 2354-2361	4.9	22
67	Correction to λ Generalized Negative-Refractive-Index Transmission-Line (NRI-TL) Metamaterial for Dual-Band and Quad-Band Applications [Jun 07 415-417]. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 130-130	2.6	2
66	A Simple Approach for Reducing Mutual Coupling in Two Closely Spaced Metamaterial-Inspired Monopole Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 379-382	3.8	40
65	A Multiband Monopole Antenna With an Embedded Reactance-Cancelling Transmission-Line Matching Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 1107-1110	3.8	4
64	A Near-Field Probe for Subwavelength-Focused Imaging. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 551-558	4.1	12
63	A near-field probe for subwavelength-focused imaging 2009 ,		7
62	Two-Dimensional Subwavelength-Focused Imaging Using a Near-Field End-Fire Antenna-Array Probe. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 1025-1028	3.8	7

61	A Planar Electronically Steerable Patch Array Using Tunable PRI/NRI Phase Shifters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 531-541	4.1	30
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