

# Anthony Grbic

## List of Publications by Citations

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176  
papers

6,519  
citations

35  
h-index

78  
g-index

221  
ext. papers

8,077  
ext. citations

5  
avg, IF

6.73  
L-index

#	Paper	IF	Citations
176	Metamaterial Huygens' surfaces: tailoring wave fronts with reflectionless sheets. <i>Physical Review Letters</i> , <b>2013</b> , 110, 197401	7.4	922
175	Overcoming the diffraction limit with a planar left-handed transmission-line lens. <i>Physical Review Letters</i> , <b>2004</b> , 92, 117403	7.4	564
174	Experimental verification of backward-wave radiation from a negative refractive index metamaterial. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 5930-5935	2.5	385
173	High performance bianisotropic metasurfaces: asymmetric transmission of light. <i>Physical Review Letters</i> , <b>2014</b> , 113, 023902	7.4	259
172	Efficient light bending with isotropic metamaterial Huygens' surfaces. <i>Nano Letters</i> , <b>2014</b> , 14, 2491-7	11.5	257
171	Bianisotropic Metasurfaces for Optimal Polarization Control: Analysis and Synthesis. <i>Physical Review Applied</i> , <b>2014</b> , 2,	4.3	245
170	Millimeter-Wave Transmitarrays for Wavefront and Polarization Control. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 4407-4417	4.1	231
169	Cascaded metasurfaces for complete phase and polarization control. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 231116	3.4	221
168	A Printed Leaky-Wave Antenna Based on a Sinusoidally-Modulated Reactance Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 2087-2096	4.9	216
167	Near-field plates: subdiffraction focusing with patterned surfaces. <i>Science</i> , <b>2008</b> , 320, 511-3	33.3	171
166	A Printed, Broadband Luneburg Lens Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 3055-3059	4.9	143
165	Periodic analysis of a 2-D negative refractive index transmission line structure. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 2604-2611	4.9	134
164	Controlling Vector Bessel Beams with Metasurfaces. <i>Physical Review Applied</i> , <b>2014</b> , 2,	4.3	131
163	Growing evanescent waves in negative-refractive-index transmission-line media. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1815-1817	3.4	92
162	Roadmap on optical metamaterials. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 093005	1.7	89
161	Generation of Propagating Bessel Beams Using Leaky-Wave Modes. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3605-3613	4.9	80
160	Modeling and Analysis of Printed-Circuit Tensor Impedance Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 211-220	4.9	79

159	Leaky CPW-based slot antenna arrays for millimeter-wave applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 1494-1504	4.9	79
158	Effective Surface Impedance of a Printed-Circuit Tensor Impedance Surface (PCTIS). <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 1403-1413	4.1	72
157	Roadmap on metasurfaces. <i>Journal of Optics (United Kingdom)</i> , <b>2019</b> , 21, 073002	1.7	69
156	Generation of Propagating Bessel Beams Using Leaky-Wave Modes: Experimental Validation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2645-2653	4.9	68
155	Near-Field Focusing Plates and Their Design. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 3159-3165	4.9	67
154	Planar Lens Antennas of Subwavelength Thickness: Collimating Leaky-Waves With Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 3248-3253	4.9	62
153	A Power Link Study of Wireless Non-Radiative Power Transfer Systems Using Resonant Shielded Loops. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2012</b> , 59, 2125-2136	3.9	59
152	Transformation Electromagnetics Devices Based on Printed-Circuit Tensor Impedance Surfaces. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 1102-1111	4.1	57
151	A backward-wave antenna based on negative refractive index L-C networks		57
150	Polarization rotation with ultra-thin bianisotropic metasurfaces. <i>Optica</i> , <b>2016</b> , 3, 427	8.6	57
149	Negative refraction, growing evanescent waves, and sub-diffraction imaging in loaded transmission-line metamaterials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2003</b> , 51, 2297-2305	4.1	52
148	Serrodyne Frequency Translation Using Time-Modulated Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1599-1606	4.9	51
147	Dispersion analysis of a microstrip-based negative refractive index periodic structure. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2003</b> , 13, 155-157	2.6	40
146	A Lumped-Element Unit Cell for Beam-Forming Networks and Its Application to a Miniaturized Butler Matrix. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 1477-1487	4.1	39
145	Tensor Transmission-Line Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 1559-1566	4.56	39
144	Generating Evanescent Bessel Beams Using Near-Field Plates. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3155-3164	4.9	37
143	Tunable Metasurfaces: A Polarization Rotator Design. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	36
142	A Reflective Polarization Converting Metasurface at $\{X\}$ -Band Frequencies. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3213-3218	4.9	36

141	Compound Metaoptics for Amplitude and Phase Control of Wave Fronts. <i>Physical Review Letters</i> , <b>2019</b> , 122, 113901	7.4	35
140	Near-Field Plates: Metamaterial Surfaces/Arrays for Subwavelength Focusing and Probing. <i>Proceedings of the IEEE</i> , <b>2011</b> , 99, 1806-1815	14.3	35
139	Negative-refractive-index transmission-line metamaterials and enabling electromagnetic applications <b>2004</b> ,		34
138	Generating stable tractor beams with dielectric metasurfaces. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	32
137	Tailoring the phase and power flow of electromagnetic fields. <i>Physical Review Letters</i> , <b>2013</b> , 111, 233904	7.4	32
136	Energy-Autonomous Wireless Communication for Millimeter-Scale Internet-of-Things Sensor Nodes. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2016</b> , 34, 3962-3977	14.2	31
135	Breaking Malus Law: Highly efficient, broadband, and angular robust asymmetric light transmitting metasurface. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 791-798	8.3	29
134	Numerical analysis and design of single-source multicoil TMS for deep and focused brain stimulation. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2013</b> , 60, 2771-82	5	29
133	The Effects of Spatial Dispersion on Power Flow Along a Printed-Circuit Tensor Impedance Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 1464-1469	4.9	29
132	Direct transfer patterning of electrically small antennas onto three-dimensionally contoured substrates. <i>Advanced Materials</i> , <b>2012</b> , 24, 1166-70	24	28
131	Higher-Order Leaky-Mode Bessel-Beam Launcher. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 904-913	4.9	25
130	Emulating Nonreciprocity with Spatially Dispersive Metasurfaces Excited at Oblique Incidence. <i>Physical Review Letters</i> , <b>2016</b> , 117, 077401	7.4	23
129	Analysis and synthesis of cascaded metasurfaces using wave matrices. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	23
128	Practical limitations of subwavelength resolution using negative-refractive-index transmission-line lenses. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 3201-3209	4.9	23
127	Subwavelength focusing using a negative-refractive-index transmission line lens. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2003</b> , 2, 186-189	3.8	23
126	A Broadband Three-Dimensionally Isotropic Negative-Refractive-Index Medium. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3661-3669	4.9	22
125	Accelerating light with metasurfaces. <i>Optica</i> , <b>2018</b> , 5, 678	8.6	21
124	Design and Free-Space Measurements of Broadband, Low-Loss Negative-Permeability and Negative-Index Media. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 2989-2997	4.9	21

123	Near-Field Focusing With a Corrugated Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2009</b> , 8, 421-424	3.8	21
122	Perfectly Reflecting Metasurface Reflectarrays: Mutual Coupling Modeling Between Unique Elements Through Homogenization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 122-134	4.9	21
121	Arbitrary Beam Shaping Using 1-D Impedance Surfaces Supporting Leaky Waves. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2439-2448	4.9	20
120	Comprehensive Analysis and Measurement of Frequency-Tuned and Impedance-Tuned Wireless Non-Radiative Power-Transfer Systems. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 131-148	1.7	20
119	Synchrotron radiation from an accelerating light pulse. <i>Science</i> , <b>2018</b> , 362, 439-442	33.3	20
118	2-D Van Atta Array of Wideband, Wideangle Slots for Radiative Wireless Power Transfer Systems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4577-4585	4.9	19
117	A Transponder-Based, Nonradiative Wireless Power Transfer. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1150-1153	3.8	19
116	Unidirectional wireless power transfer using near-field plates. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 184903	2.3	18
115	Broadband, Multiband, and Multifunctional All-Dielectric Metasurfaces. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	17
114	Synthesis of Tensor Impedance Surfaces to Control Phase and Power Flow of Guided Waves. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 3956-3962	4.9	17
113	Dual-Band, Orthogonally-Polarized LP-to-CP Converter for SatCom Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6764-6776	4.9	17
112	Magnet-free nonreciprocal bianisotropic metasurfaces. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	17
111	A Printed Beam-Shifting Slab Designed Using Tensor Transmission-Line Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 728-734	4.9	17
110	Wireless Links in the Radiative Near Field via Bessel Beams. <i>Physical Review Applied</i> , <b>2016</b> , 6,	4.3	17
109	Design of Self-Matched Planar Loop Resonators for Wireless Nonradiative Power Transfer. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 909-919	4.1	16
108	An analytical investigation of near-field plates. <i>Metamaterials</i> , <b>2010</b> , 4, 104-111		16
107	Circuit and System Designs of Ultra-Low Power Sensor Nodes With Illustration in a Miniaturized GNSS Logger for Position Tracking: Part I Analog Circuit Techniques. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2017</b> , 64, 2237-2249	3.9	15
106	An Experimental Concentric Near-Field Plate. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 3982-3988	4.1	15

105	Planar Shielded-Loop Resonators. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 3310-3320	4.9	14
104	Nonresonant modes in plasmonic holey metasurfaces for the design of artificial flat lenses. <i>Optics Letters</i> , <b>2017</b> , 42, 2026-2029	3	14
103	Comprehensive Analysis and Measurement of Frequency-Tuned and Impedance-Tuned Wireless Non-Radiative Power-Transfer Systems. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 44-60	1.7	14
102	Tailoring near-field patterns with concentrically corrugated plates. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 1111-1117	3.7	14
101	Space-Time-Modulated Metasurfaces with Spatial Discretization: Free-Space N-Path Systems. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	14
100	Controlling Leaky Waves With 1-D Cascaded Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2143-2146	4.9	13
99	Circuit and System Designs of Ultra-Low Power Sensor Nodes With Illustration in a Miniaturized GNSS Logger for Position Tracking: Part II Data Communication, Energy Harvesting, Power Management, and Digital Circuits. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2017</b> , 64, 2250-2262	3.9	12
98	Radiative Wireless Power-Transfer System Using Wideband, Wide-Angle Slot Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 2975-2982	4.9	11
97	A unidirectional subwavelength focusing near-field plate. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 044904	2.5	11
96	Planar Near-Field Plates. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 5425-5434	4.9	11
95	Super-Resolution Focusing Using Volumetric, Broadband NRI Media. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 2963-2969	4.9	11
94	Experimental demonstration of highly localized pulses (X waves) at microwave frequencies. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	10
93	Analytical and experimental characterization of metasurfaces with normal polarizability. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	10
92	Ultrathin active polarization-selective metasurface at X-band frequencies. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	10
91	Full-Wave Verification of Tensor TL Metamaterials. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 48-51	3.8	10
90	Modelling cascaded cylindrical metasurfaces using sheet impedances and a transmission matrix formulation. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 1041-1047	1.6	9
89	Alternative Material Parameters for Transformation Electromagnetics Designs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 1414-1424	4.1	9
88	Transformation electromagnetics devices using tensor impedance surfaces <b>2013</b> ,		9

87	The Design of Broadband, Volumetric NRI Media Using Multiconductor Transmission-Line Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 1144-1154	4.9	9
86	An Electromagnetic Crystal Green Function Multiple Scattering Technique for Arbitrary Polarizations, Lattices, and Defects. <i>Journal of Lightwave Technology</i> , <b>2007</b> , 25, 571-583	4	9
85	The NUMAchine multiprocessor		8
84	X Wave Radiator Implemented With 3-D Printed Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5478-5486	4.9	7
83	A printed antenna beam former implemented using tensor transmission-line metamaterials <b>2014</b> ,		7
82	Shielded loops for wireless non-radiative power transfer <b>2010</b> ,		7
81	Enhanced resonant transmission of electromagnetic radiation through a pair of subwavelength slits. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 041104	3.4	6
80	A Circuit Model for Electrically Small Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 1671-1683	4.9	6
79	Anisotropic Inhomogeneous Metamaterials Using Nonuniform Transmission-Line Grids Aligned With the Principal Axes. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 358-361	3.8	6
78	Analytical modeling of a printed-circuit tensor impedance surface <b>2012</b> ,		6
77	A 2-D Composite Medium Exhibiting Broadband Negative Permittivity and Permeability <b>2006</b> ,		6
76	Subwavelength focusing using a negative-refractive-index transmission line lens. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2003</b> , 2, 186-189	3.8	6
75	Millimeter-Scale Node-to-Node Radio Using a Carrier Frequency-Interlocking IF Receiver for a Fully Integrated 4 $\times$ 4 $\times$ 4 mm <sup>3</sup> Wireless Sensor Node. <i>IEEE Journal of Solid-State Circuits</i> , <b>2020</b> , 55, 1128-1138	5.5	6
74	Serrodyne frequency translation using time-modulated metasurfaces <b>2019</b> ,		6
73	Designing Anisotropic, Inhomogeneous Metamaterial Devices Through Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 998-1009	4.9	6
72	Modal Network Formulation for the Analysis and Design of Mode-Converting Metasurfaces in Cylindrical Waveguides. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 4598-4611	4.9	6
71	Systematic design of a class of wideband circular polarizers using dispersion engineering <b>2017</b> ,		5
70	A compact, metamaterial beamformer designed through optimization <b>2016</b> ,		5

69	Power link budget for propagating Bessel beams <b>2013</b> ,		5
68	Novel methods to analyze and fabricate electrically small antennas <b>2011</b> ,		5
67	Subwavelength focusing with a corrugated metallic plate <b>2009</b> ,		5
66	Growing evanescent waves in continuous transmission-line grid media. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2005</b> , 15, 131-133	2.6	5
65	Design of Multilayer, Dualband Metasurface Reflectarrays <b>2020</b> ,		5
64	Antireflection and Wavefront Manipulation with Cascaded Metasurfaces. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	5
63	A Rigorous Approach to Designing Reflectarrays <b>2019</b> ,		5
62	Accelerated N-Path Network Analysis Using the Floquet Scattering Matrix Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 1248-1259	4.1	4
61	Dispersion analysis of printed-circuit tensor impedance surfaces <b>2012</b> ,		4
60	Homogenization of tensor TL metamaterials. <i>Metamaterials</i> , <b>2011</b> , 5, 81-89		4
59	A broadband three-dimensional isotropic NRI medium <b>2010</b> ,		4
58	Near-field focusing plates: Theory and experiment <b>2008</b> ,		4
57	Recent advances in bianisotropic boundary conditions: theory, capabilities, realizations, and applications. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	4
56	Cylindrical Aperture Synthesis with Metasurfaces <b>2020</b> ,		4
55	Lossless Complex-Valued Optical-Field Control with Compound Metaoptics. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	4
54	A broadband, bessel beam radiator <b>2016</b> ,		4
53	A physical explanation for the all-angle reflectionless property of transformation optics designs. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 044020	1.7	4
52	A Metasurface Based Mode Converter <b>2019</b> ,		4



51	A Transparent, Time-Modulated Metasurface <b>2018</b> ,		4
50	An 8times 4\$ Continuous Transverse Stub Array Fed by Coaxial Ports. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1303-1307	3.8	3
49	A Planar, Broadband, Metamaterial-Based, Transmission-Line Beamformer. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4844-4853	4.9	3
48	Planar shielded-loop resonators for wireless non-radiative power transfer <b>2013</b> ,		3
47	A 2D broadband, printed Luneburg lens antenna. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , <b>2009</b> ,		3
46	A lumped-element directional coupler with arbitrary output amplitude and phase distributions <b>2012</b> ,		3
45	Broadband, low-loss negative-permeability and negative-index media for free-space applications <b>2009</b> ,		3
44	A Reflective Metasurface for Perfect Cylindrical to Planar Wavefront Transformation <b>2020</b> ,		3
43	Passive Metasurface Antenna with Perfect Aperture Efficiency <b>2021</b> ,		3
42	Passive Reflective Metasurfaces for Far-Field Beamforming <b>2021</b> ,		3
41	Fundamentals of Lossless, Reciprocal Bianisotropic Metasurface Design. <i>Photonics</i> , <b>2021</b> , 8, 197	2.2	3
40	Optimization as an alternative to transformation optics <b>2016</b> ,		3
39	Cylindrical Vector Beams for Wireless Power Transfer. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 1716-1727	4.9	3
38	Analysis and Synthesis of Cascaded Cylindrical Metasurfaces Using a Wave Matrix Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
37	All-Dielectric Meta-Optics for High-Efficiency Independent Amplitude and Phase Manipulation. <i>Advanced Photonics Research</i> , <b>2022</b> , 3, 2100285	1.9	3
36	Electron Beam Coupling to an NRI Transmission-Line Metamaterial. <i>IEEE Transactions on Plasma Science</i> , <b>2015</b> , 43, 796-803	1.3	2
35	Arbitrary leaky-wave antenna patterns with stacked metasurfaces <b>2015</b> ,		2
34	All-dielectric bianisotropic metasurfaces <b>2017</b> ,		2

33	A phase-tunable, liquid crystal-based metasurface <b>2016</b> ,		2
32	Metamaterial Huygens' surfaces <b>2013</b> ,		2
31	Design of a planar near-field plate <b>2012</b> ,		2
30	A simulation of focal brain stimulation using metamaterial lenses <b>2010</b> ,		2
29	The design and performance of an isotropic negative-refractive-index metamaterial lens <b>2011</b> ,		2
28	A concentrically corrugated near-field plate <b>2010</b> ,		2
27	A printed-circuit implementation of a broadband volumetric negative-refractive-index medium <b>2007</b> ,		2
26	Super-Resolving Negative-Refractive-Index Transmission-Line Lenses <b>2005</b> , 93-169		2
25	Corrections to Negative Refraction, Growing Evanescent Waves, and Sub-Diffraction Imaging in Loaded Transmission-Line Metamaterials <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2004</b> , 52, 1580-1580	4.1	2
24	A Spatio-Temporally Modulated Metasurface as a Free-Space N-Path System <b>2020</b> ,		2
23	Circuit-based Inverse Design of Metastructured MIMO Devices <b>2021</b> ,		2
22	Analysis and synthesis of cascaded metasurfaces using wave matrices <b>2016</b> ,		2
21	Time-Varying Phase Control for Frequency Translation <b>2019</b> ,		2
20	Multifunctional All-Dielectric Metasurfaces <b>2018</b> ,		2
19	Dielectric Resonator Antenna-Coupled Antimonide-Based Detectors (DRACAD) for the Infrared. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	2
18	Bessel-Gauss Beam Launchers for Wireless Power Transfer. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2021</b> , 2, 654-663	1.9	2
17	Long slot Van Atta array for far-field wireless power transfer <b>2017</b> ,		1
16	A backward wave amplifier based on an NRI transmission-line metamaterial <b>2014</b> ,		1

15	Metamaterial-based bessel beam launcher <b>2017</b> ,		1
14	Metamaterial bessel beam radiator <b>2017</b> ,		1
13	Realizing Huygens sources through spherical sheet impedances <b>2012</b> ,		1
12	The Design of Dual Band Stacked Metasurfaces Using Integral Equations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
11	Inverse Design of Multi-input Multi-output 2D Metastructured Devices. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	1
10	Analytic Design Of Dual-Band, Dual-Polarized Lp-to-Cp Polarization Converters <b>2020</b> ,		1
9	Efficient Computation of Spatially-Discrete Traveling-Wave Modulated Structures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	1
8	Application of the Discrete Hankel Transform to Cylindrical Waveguides Structures <b>2018</b> ,		1
7	Near-Reflectionless Wireless Transmission into the Body with Cascaded Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
6	2-D Circuit-Based Bianisotropic Omega Media. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7395-7405	4.9	0
5	Ultra-Low-Profile Continuous Transverse Stub Array for SatCom Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	0
4	Antenna Aperture Synthesis Using Mode-Converting Metasurfaces. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2021</b> , 2, 726-737	1.9	0
3	Patterning: Direct Transfer Patterning of Electrically Small Antennas onto Three-Dimensionally Contoured Substrates (Adv. Mater. 9/2012). <i>Advanced Materials</i> , <b>2012</b> , 24, 1138-1138	24	
2	Corrections to Effective Surface Impedance of a Printed-Circuit Tensor Impedance Surface (PCTIS) [Apr 13 1403-1413]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 3488-3488 <sup>4.1</sup>		
1	Reply to "Comments on "Subwavelength focusing using a negative-refractive-index transmission line lens"". <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 661-661	3.8	