Anthony Grbic

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4052812/publications.pdf

Version: 2024-02-01

220	9,089	81900 39	43889 91
papers	citations	h-index	g-index

221	221	221	5164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inverse Design of Multi-Input Multi-Output 2-D Metastructured Devices. IEEE Transactions on Antennas and Propagation, 2022, 70, 3495-3505.	5.1	10
2	The Design of Dual Band Stacked Metasurfaces Using Integral Equations. IEEE Transactions on Antennas and Propagation, 2022, 70, 4576-4588.	5.1	15
3	Ultra-Low-Profile Continuous Transverse Stub Array for SatCom Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 4459-4471.	5.1	8
4	Allâ€Dielectric Metaâ€Optics for Highâ€Efficiency Independent Amplitude and Phase Manipulation. Advanced Photonics Research, 2022, 3, .	3.6	10
5	Near-Reflectionless Wireless Transmission Into the Body With Cascaded Metasurfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 8379-8388.	5.1	4
6	Unit Cell Polarizability and Sheet Impedance Extraction in Aperiodic Environments. , 2022, , .		5
7	Dielectric Huygens' Metasurface Dome Antennas. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 2181-2185.	4.0	0
8	Antenna Beamforming With Multiple-Input, Multiple-Output Metastructures: Controlling the Amplitude and Phase of Antenna Aperture Fields. IEEE Antennas and Propagation Magazine, 2022, 64, 63-72.	1.4	3
9	Design of Planar and Conformal, Passive, Lossless Metasurfaces That Beamform. IEEE Journal of Microwaves, 2022, 2, 401-418.	6.5	21
10	Perfectly Reflecting Metasurface Reflectarrays: Mutual Coupling Modeling Between Unique Elements Through Homogenization. IEEE Transactions on Antennas and Propagation, 2021, 69, 122-134.	5.1	53
11	Cylindrical Vector Beams for Wireless Power Transfer. IEEE Transactions on Antennas and Propagation, 2021, 69, 1716-1727.	5.1	8
12	High-Efficiency Compound Metaoptics for Independent Amplitude and Phase Control. , 2021, , .		0
13	Efficient Computation of Spatially Discrete Traveling-Wave Modulated Structures. IEEE Transactions on Antennas and Propagation, 2021, 69, 8512-8525.	5.1	5
14	Analysis and Synthesis of Cascaded Cylindrical Metasurfaces Using a Wave Matrix Approach. IEEE Transactions on Antennas and Propagation, 2021, 69, 6546-6559.	5.1	12
15	Circuit-based Inverse Design of Metastructured MIMO Devices. , 2021, , .		3
16	Passive Reflective Metasurfaces for Far-Field Beamforming. , 2021, , .		3
17	Lossless Complex-Valued Optical-Field Control with Compound Metaoptics. Physical Review Applied, 2021, 15, .	3.8	7
18	Fundamentals of Lossless, Reciprocal Bianisotropic Metasurface Design. Photonics, 2021, 8, 197.	2.0	6

#	Article	IF	Citations
19	Modal Network Formulation for the Analysis and Design of Mode-Converting Metasurfaces in Cylindrical Waveguides. IEEE Transactions on Antennas and Propagation, 2021, 69, 4598-4611.	5.1	9
20	Dielectric Resonator Antenna-Coupled Antimonide-Based Detectors (DRACAD) for the Infrared. IEEE Transactions on Antennas and Propagation, 2021, 69, 6762-6771.	5.1	4
21	Antenna Aperture Synthesis Using Mode-Converting Metasurfaces. IEEE Open Journal of Antennas and Propagation, 2021, 2, 726-737.	3.7	4
22	Besselâ€“Gauss Beam Launchers for Wireless Power Transfer. IEEE Open Journal of Antennas and Propagation, 2021, 2, 654-663.	3.7	13
23	Spatial Amplitude and Phase Control with High-Efficiency Meta-optics. , 2021, , .		0
24	Efficient Subharmonic Frequency Conversion Using Space-Time Induced Bound States in the Continuum. , 2021, , .		1
25	Passive Metasurface Antenna with Perfect Aperture Efficiency. , 2021, , .		4
26	Recent advances in bianisotropic boundary conditions: theory, capabilities, realizations, and applications. Nanophotonics, 2021, 10, 4075-4112.	6.0	17
27	Low-profile CTS Antenna with Circular Polarization for SatCom Applications in PCB Technology. , 2021, , .		0
28	Millimeter-Scale Node-to-Node Radio Using a Carrier Frequency-Interlocking IF Receiver for a Fully Integrated 4$imes$ 4$imes$ 4 mm‹sup›3‹/sup› Wireless Sensor Node. IEEE Journal of Solid-State Circuits, 2020, 55, 1128-1138.	5.4	11
29	Serrodyne Frequency Translation Using Time-Modulated Metasurfaces. IEEE Transactions on Antennas and Propagation, 2020, 68, 1599-1606.	5.1	108
30	Design of Multilayer, Dualband Metasurface Reflectarrays. , 2020, , .		6
31	Analytic Design Of Dual-Band, Dual-Polarized Lp-to-Cp Polarization Converters. , 2020, , .		1
32	Ultra-Wide Band Non-Dispersive Leaky-Wave Antenna Based on Glide-Symmetric Meandered Transmission Lines. , 2020, , .		2
33	A Spatio-Temporally Modulated Metasurface as a Free-Space N-Path System. , 2020, , .		3
34	Cylindrical Aperture Synthesis with Metasurfaces. , 2020, , .		4
35	Antireflection and Wavefront Manipulation with Cascaded Metasurfaces. Physical Review Applied, 2020, 14, .	3.8	21
36	Dual-Band, Orthogonally-Polarized LP-to-CP Converter for SatCom Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6764-6776.	5.1	41

#	Article	IF	Citations
37	2-D Circuit-Based Bianisotropic Omega Media. IEEE Transactions on Antennas and Propagation, 2020, 68, 7395-7405.	5.1	1
38	X Wave Radiator Implemented With 3-D Printed Metamaterials. IEEE Transactions on Antennas and Propagation, 2020, 68, 5478-5486.	5.1	15
39	Accelerated N-Path Network Analysis Using the Floquet Scattering Matrix Method. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1248-1259.	4.6	10
40	Space-Time-Modulated Metasurfaces with Spatial Discretization: Free-Space <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>N</mml:mi></mml:math> -Path Systems. Physical Review Applied, 2020, 14, .	3.8	36
41	Retroreflective Subharmonic Frequency Translation with a Spatiotemporal Metasurface. , 2020, , .		0
42	Modified Floquet Boundary Condition for Open Boundary Problems with N-Path Symmetry. , 2020, , .		2
43	A Reflective Metasurface for Perfect Cylindrical to Planar Wavefront Transformation. , 2020, , .		3
44	A Phase Conjugating Metasurface. , 2020, , .		0
45	Ultrathin active polarization-selective metasurface at X-band frequencies. Physical Review B, 2019, 100, .	3.2	21
46	Roadmap on metasurfaces. Journal of Optics (United Kingdom), 2019, 21, 073002.	2.2	146
47	An $8imes 4$ Continuous Transverse Stub Array Fed by Coaxial Ports. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1303-1307.	4.0	6
48	Broadband, Multiband, and Multifunctional All-Dielectric Metasurfaces. Physical Review Applied, 2019, 11, .	3.8	26
49	Compound Metaoptics for Amplitude and Phase Control of Wave Fronts. Physical Review Letters, 2019, 122, 113901.	7.8	72
50	Tunable Metasurfaces: A Polarization Rotator Design. Physical Review X, 2019, 9, .	8.9	62
51	A Rigorous Approach to Designing Reflectarrays. , 2019, , .		5
52	Serrodyne frequency translation using time-modulated metasurfaces. , 2019, , .		16
53	A Circuit-based Approach to the Synthesis of 2-D Omega Materials. , 2019, , .		0
54	A Metasurface Based Mode Converter. , 2019, , .		5

#	Article	IF	Citations
55	Time-Varying Phase Control for Frequency Translation. , 2019, , .		3
56	Designing Anisotropic, Inhomogeneous Metamaterial Devices Through Optimization. IEEE Transactions on Antennas and Propagation, 2019, 67, 998-1009.	5.1	9
57	Experimental demonstration of highly localized pulses (X waves) at microwave frequencies. Physical Review B, 2018, 97, .	3.2	21
58	Controlling Leaky Waves With 1-D Cascaded Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 2143-2146.	5.1	17
59	A Reflective Polarization Converting Metasurface at <inline-formula> <tex-math notation="LaTeX">${X}$ </tex-math> </inline-formula>-Band Frequencies. IEEE Transactions on Antennas and Propagation, 2018, 66, 3213-3218.	5.1	62
60	Space-time focusing using a dispersive axicon. , 2018, , .		0
61	Multifunctional All-Dielectric Metasurfaces. , 2018, , .		3
62	Application of the Discrete Hankel Transform to Cylindrical Waveguides Structures. , 2018, , .		1
63	A Transparent, Time-Modulated Metasurface. , 2018, , .		12
64	Synchrotron radiation from an accelerating light pulse. Science, 2018, 362, 439-442.	12.6	29
65	2-D Van Atta Array of Wideband, Wideangle Slots for Radiative Wireless Power Transfer Systems. IEEE Transactions on Antennas and Propagation, 2018, 66, 4577-4585.	5.1	30
66	Accelerating light with metasurfaces. Optica, 2018, 5, 678.	9.3	30
67	A Planar, Broadband, Metamaterial-Based, Transmission-Line Beamformer. IEEE Transactions on Antennas and Propagation, 2018, 66, 4844-4853.	5.1	6
68	Modelling cascaded cylindrical metasurfaces using sheet impedances and a transmission matrix formulation. IET Microwaves, Antennas and Propagation, 2018, 12, 1041-1047.	1.4	18
69	A tunable polarization rotator based on metasurfaces. , 2017, , .		3
70	Systematic design of a class of wideband circular polarizers using dispersion engineering. , 2017, , .		7
71	Long slot array for wireless power transmission. , 2017, , .		0
72	Radiative Wireless Power-Transfer System Using Wideband, Wide-Angle Slot Arrays. IEEE Transactions on Antennas and Propagation, 2017, 65, 2975-2982.	5.1	15

#	Article	IF	Citations
73	Circuit and System Designs of Ultra-Low Power Sensor Nodes With Illustration in a Miniaturized GNSS Logger for Position Tracking: Part Iâ€"Analog Circuit Techniques. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2237-2249.	5.4	25
74	Analysis and synthesis of cascaded metasurfaces using wave matrices. Physical Review B, 2017, 95, .	3.2	27
75	Circuit and System Designs of Ultra-Low Power Sensor Nodes With Illustration in a Miniaturized GNSS Logger for Position Tracking: Part IIâ€"Data Communication, Energy Harvesting, Power Management, and Digital Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2250-2262.	5.4	18
76	Metamaterial-based bessel beam launcher. , 2017, , .		1
77	Metamaterial bessel beam radiator. , 2017, , .		1
78	Nonresonant modes in plasmonic holey metasurfaces for the design of artificial flat lenses. Optics Letters, 2017, 42, 2026.	3.3	22
79	Long slot Van Atta array for far-field wireless power transfer. , 2017, , .		2
80	Cylindrical vector beams for wireless power transfer. , 2017, , .		1
81	All-dielectric bianisotropic metasurfaces. , 2017, , .		3
82	Three-dimensional metasurfaces. , 2016, , .		2
83	A broadband, bessel beam radiator. , 2016, , .		5
84	Analysis and synthesis of cascaded metasurfaces using wave matrices. , 2016, , .		3
85	A physical explanation for the all-angle reflectionless property of transformation optics designs. Journal of Optics (United Kingdom), 2016, 18, 044020.	2.2	9
86	Polarization rotation with ultra-thin bianisotropic metasurfaces. Optica, 2016, 3, 427.	9.3	74
87	Wireless Links in the Radiative Near Field via Bessel Beams. Physical Review Applied, 2016, 6, .	3.8	31
88	Optimization as an alternative to transformation optics. , 2016, , .		5
89	Wireless power transfer with Bessel beams. , 2016, , .		1
90	Roadmap on optical metamaterials. Journal of Optics (United Kingdom), 2016, 18, 093005.	2.2	118

#	Article	IF	Citations
91	Breaking Malusâ€™ law: Highly efficient, broadband, and angular robust asymmetric light transmitting metasurface. Laser and Photonics Reviews, 2016, 10, 791-798.	8.7	38
92	Emulating Nonreciprocity with Spatially Dispersive Metasurfaces Excited at Oblique Incidence. Physical Review Letters, 2016, 117, 077401.	7.8	28
93	A phase-tunable, liquid crystal-based metasurface. , 2016, , .		3
94	Magnet-free nonreciprocal bianisotropic metasurfaces. Physical Review B, 2016, 94, .	3.2	23
95	Energy-Autonomous Wireless Communication for Millimeter-Scale Internet-of-Things Sensor Nodes. IEEE Journal on Selected Areas in Communications, 2016, 34, 3962-3977.	14.0	38
96	Analytical and experimental characterization of metasurfaces with normal polarizability. Physical Review B, 2016, 93, .	3.2	15
97	A compact, metamaterial beamformer designed through optimization. , 2016, , .		5
98	Higher-Order Leaky-Mode Bessel-Beam Launcher. IEEE Transactions on Antennas and Propagation, 2016, 64, 904-913.	5.1	50
99	Generating stable tractor beams with dielectric metasurfaces. Physical Review B, 2015, 91, .	3.2	38
100	Electron Beam Coupling to an NRI Transmission-Line Metamaterial. IEEE Transactions on Plasma Science, 2015, 43, 796-803.	1.3	3
101	Arbitrary Beam Shaping Using 1-D Impedance Surfaces Supporting Leaky Waves. IEEE Transactions on Antennas and Propagation, 2015, 63, 2439-2448.	5.1	25
102	Unidirectional wireless power transfer using near-field plates. Journal of Applied Physics, 2015, 117, 184903.	2.5	20
103	Planar Lens Antennas of Subwavelength Thickness: Collimating Leaky-Waves With Metasurfaces. IEEE Transactions on Antennas and Propagation, 2015, 63, 3248-3253.	5.1	80
104	Synthesis of Tensor Impedance Surfaces to Control Phase and Power Flow of Guided Waves. IEEE Transactions on Antennas and Propagation, 2015, 63, 3956-3962.	5.1	19
105	Low profile lens antennas: Collimating leaky-wave radiation with metasurfaces. , 2015, , .		0
106	Arbitrary leaky-wave antenna patterns with stacked metasurfaces. , 2015, , .		2
107	Towards the analytical design of tensor metasurfaces. , 2015, , .		1
108	Eigenmode expansion and mode-matching analysis of Bessel beam launchers. , 2015, , .		0

#	Article	IF	Citations
109	Metamaterial Huygens' surfaces from microwave to optical frequencies. , 2014, , .		0
110	Radiation pattern synthesis using impedance surfaces supporting leaky waves. , 2014, , .		0
111	Comprehensive Analysis and Measurement of Frequency-Tuned and Impedance-Tuned Wireless Non-Radiative Power-Transfer Systems. IEEE Antennas and Propagation Magazine, 2014, 56, 131-148.	1.4	31
112	Metasurfaces for phase and polarization control. , 2014, , .		0
113	Generation of non-diffractive bessel beams using leaky-wave modes. , 2014, , .		1
114	Comprehensive Analysis and Measurement of Frequency-Tuned and Impedance-Tuned Wireless Non-Radiative Power-Transfer Systems. IEEE Antennas and Propagation Magazine, 2014, 56, 44-60.	1.4	26
115	Tailoring leaky-wave radiation with impedance surfaces. , 2014, , .		0
116	A printed antenna beam former implemented using tensor transmission-line metamaterials. , 2014, , .		10
117	Generating field profiles with arbitrary phase and amplitude distributions using metamaterials. , 2014, , .		0
118	Phase and power flow along printed-circuit tensor impedance surfaces. , 2014, , .		0
119	The Effects of Spatial Dispersion on Power Flow Along a Printed-Circuit Tensor Impedance Surface. IEEE Transactions on Antennas and Propagation, 2014, 62, 1464-1469.	5.1	36
120	Analysis and synthesis of bianisotropic metasurfaces. , 2014, , .		0
121	A backward wave amplifier based on an NRI transmission-line metamaterial. , 2014, , .		1
122	A unidirectional subwavelength focusing near-field plate. Journal of Applied Physics, 2014, 115, 044904.	2.5	12
123	Planar Shielded-Loop Resonators. IEEE Transactions on Antennas and Propagation, 2014, 62, 3310-3320.	5.1	17
124	Controlling Vector Bessel Beams with Metasurfaces. Physical Review Applied, 2014, 2, .	3.8	170
125	Bianisotropic Metasurfaces for Optimal Polarization Control: Analysis and Synthesis. Physical Review Applied, 2014, 2, .	3.8	335
126	Transformation Electromagnetics Devices Based on Printed-Circuit Tensor Impedance Surfaces. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1102-1111.	4.6	77

#	Article	IF	Citations
127	Design of Self-Matched Planar Loop Resonators for Wireless Nonradiative Power Transfer. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 909-919.	4.6	18
128	Efficient Light Bending with Isotropic Metamaterial Huygensâ€™ Surfaces. Nano Letters, 2014, 14, 2491-2497.	9.1	310
129	High Performance Bianisotropic Metasurfaces: Asymmetric Transmission of Light. Physical Review Letters, 2014, 113, 023902.	7.8	317
130	Experimental Huygensâ€™ Surface for NIR Wavelengths. , 2014, , .		0
131	Planar Near-Field Plates. IEEE Transactions on Antennas and Propagation, 2013, 61, 5425-5434.	5.1	14
132	A Lumped-Element Unit Cell for Beam-Forming Networks and Its Application to a Miniaturized Butler Matrix. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1477-1487.	4.6	51
133	Enhanced resonant transmission of electromagnetic radiation through a pair of subwavelength slits. Applied Physics Letters, 2013, 103, 041104.	3.3	6
134	Corrections to â€œEffective Surface Impedance of a Printed-Circuit Tensor Impedance Surface (PCTIS)â€• [Apr 13 1403-1413]. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3488-3488.	4.6	0
135	Cascaded metasurfaces for complete phase and polarization control. Applied Physics Letters, 2013, 102, .	3.3	280
136	Numerical Analysis and Design of Single-Source Multicoil TMS for Deep and Focused Brain Stimulation. IEEE Transactions on Biomedical Engineering, 2013, 60, 2771-2782.	4.2	44
137	Effective Surface Impedance of a Printed-Circuit Tensor Impedance Surface (PCTIS). IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1403-1413.	4.6	94
138	A Printed Beam-Shifting Slab Designed Using Tensor Transmission-Line Metamaterials. IEEE Transactions on Antennas and Propagation, 2013, 61, 728-734.	5.1	22
139	Metamaterial Huygens' surfaces. , 2013, , .		2
140	Alternative Material Parameters for Transformation Electromagnetics Designs. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1414-1424.	4.6	13
141	Metamaterial Huygensâ€™ Surfaces: Tailoring Wave Fronts with Reflectionless Sheets. Physical Review Letters, 2013, 110, 197401.	7.8	1,311
142	Modeling and Analysis of Printed-Circuit Tensor Impedance Surfaces. IEEE Transactions on Antennas and Propagation, 2013, 61, 211-220.	5.1	111
143	Millimeter-Wave Transmitarrays for Wavefront and Polarization Control. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4407-4417.	4.6	331
144	Tailoring the Phase and Power Flow of Electromagnetic Fields. Physical Review Letters, 2013, 111, 233904.	7.8	39

#	Article	IF	Citations
145	Transformation electromagnetics devices based on tensor impedance surfaces. , 2013, , .		2
146	Power link budget for propagating Bessel beams. , 2013, , .		7
147	Controlling the phase and power flow of electromagnetic fields. , 2013, , .		0
148	Planar shielded-loop resonators for wireless non-radiative power transfer. , 2013, , .		5
149	Generating Bessel beams using an electrically-large annular slot. , 2013, , .		0
150	Transformation electromagnetics devices using tensor impedance surfaces. , 2013, , .		13
151	Analytical modeling of a printed-circuit tensor impedance surface. , 2012, , .		6
152	A beam-shifting slab implemented using printed, tensor TL metamaterials. , 2012, , .		0
153	A leaky radial waveguide for generating propagating Bessel beams. , 2012, , .		0
154	A lumped-element directional coupler with arbitrary output amplitude and phase distributions. , 2012, , .		5
155	Realizing Huygens sources through spherical sheet impedances. , 2012, , .		1
156	A Circuit Model for Electrically Small Antennas. IEEE Transactions on Antennas and Propagation, 2012, 60, 1671-1683.	5.1	11
157	Design of a planar near-field plate. , 2012, , .		2
158	Anisotropic Inhomogeneous Metamaterials Using Nonuniform Transmission-Line Grids Aligned With the Principal Axes. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 358-361.	4.0	7
159	Dispersion analysis of printed-circuit tensor impedance surfaces. , 2012, , .		4
160	Experimental generation of propagating Bessel beams with a low-profile leaky radial waveguide. , 2012, , .		2
161	Generating Evanescent Bessel Beams Using Near-Field Plates. IEEE Transactions on Antennas and Propagation, 2012, 60, 3155-3164.	5.1	43
162	A compact directional coupler for use in beam-forming networks. , 2012, , .		0

#	Article	IF	Citations
163	Generation of Propagating Bessel Beams Using Leaky-Wave Modes. IEEE Transactions on Antennas and Propagation, 2012, 60, 3605-3613.	5.1	122
164	Generation of Propagating Bessel Beams Using Leaky-Wave Modes: Experimental Validation. IEEE Transactions on Antennas and Propagation, 2012, 60, 2645-2653.	5.1	105
165	A Power Link Study of Wireless Non-Radiative Power Transfer Systems Using Resonant Shielded Loops. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2125-2136.	5.4	71
166	A Transponder-Based, Nonradiative Wireless Power Transfer. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1150-1153.	4.0	29
167	A Broadband Three-Dimensionally Isotropic Negative-Refractive-Index Medium. IEEE Transactions on Antennas and Propagation, 2012, 60, 3661-3669.	5.1	29
168	Lumped-element unit cell for designing beam forming networks. , 2012, , .		0
169	Direct Transfer Patterning of Electrically Small Antennas onto Threeâ€Dimensionally Contoured Substrates. Advanced Materials, 2012, 24, 1166-1170.	21.0	32
170	Patterning: Direct Transfer Patterning of Electrically Small Antennas onto Three-Dimensionally Contoured Substrates (Adv. Mater. 9/2012). Advanced Materials, 2012, 24, 1138-1138.	21.0	0
171	The design and performance of an isotropic negative-refractive-index metamaterial lens. , 2011, , .		2
172	Design and Free-Space Measurements of Broadband, Low-Loss Negative-Permeability and Negative-Index Media. IEEE Transactions on Antennas and Propagation, 2011, 59, 2989-2997.	5.1	26
173	Novel methods to analyze and fabricate electrically small antennas. , 2011, , .		5
174	A Printed Leaky-Wave Antenna Based on a Sinusoidally-Modulated Reactance Surface. IEEE Transactions on Antennas and Propagation, 2011, 59, 2087-2096.	5.1	317
175	Homogenization of tensor TL metamaterials. Metamaterials, 2011, 5, 81-89.	2.2	6
176	Near-Field Plates: Metamaterial Surfaces/Arrays for Subwavelength Focusing and Probing. Proceedings of the IEEE, 2011, 99, 1806-1815.	21.3	43
177	A concentrically corrugated near-field plate. , 2010, , .		2
178	An analytical investigation of near-field plates. Metamaterials, 2010, 4, 104-111.	2.2	19
179	A printed spherical helix antenna. , 2010, , .		0
180	Shielded loops for wireless non-radiative power transfer. , 2010, , .		11

#	Article	IF	Citations
181	A broadband three-dimensional isotropic NRI medium. , 2010, , .		6
182	Full-Wave Verification of Tensor TL Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 48-51.	4.0	12
183	A Printed, Broadband Luneburg Lens Antenna. IEEE Transactions on Antennas and Propagation, 2010, 58, 3055-3059.	5.1	205
184	Tensor Transmission-Line Metamaterials. IEEE Transactions on Antennas and Propagation, 2010, 58, 1559-1566.	5.1	56
185	A simulation of focal brain stimulation using metamaterial lenses. , 2010, , .		3
186	The Design of Broadband, Volumetric NRI Media Using Multiconductor Transmission-Line Analysis. IEEE Transactions on Antennas and Propagation, 2010, 58, 1144-1154.	5.1	13
187	An Experimental Concentric Near-Field Plate. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 3982-3988.	4.6	21
188	A 2D broadband, printed Luneburg lens antenna. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	4
189	Subwavelength focusing with a corrugated metallic plate. , 2009, , .		7
190	Tailoring near-field patterns with concentrically corrugated plates. Applied Physics Letters, 2009, 95, .	3.3	17
191	Near-Field Focusing With a Corrugated Surface. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 421-424.	4.0	26
192	Broadband, low-loss negative-permeability and negative-index media for free-space applications. , 2009, , .		3
193	Near-Field Focusing Plates and Their Design. IEEE Transactions on Antennas and Propagation, 2008, 56, 3159-3165.	5.1	89
194	Near-Field Plates: Subdiffraction Focusing with Patterned Surfaces. Science, 2008, 320, 511-513.	12.6	214
195	Super-Resolution Focusing Using Volumetric, Broadband NRI Media. IEEE Transactions on Antennas and Propagation, 2008, 56, 2963-2969.	5.1	15
196	Near-field focusing plates. , 2008, , .		4
197	Reply to "Comments on "Subwavelength focusing using a negative-refractive-index transmission line lens"". IEEE Antennas and Wireless Propagation Letters, 2007, 6, 661-661.	4.0	0
198	A printed-circuit implementation of a broadband volumetric negative-refractive-index medium. , 2007, , .		3

#	Article	IF	Citations
199	An Electromagnetic Crystal Green Function Multiple Scattering Technique for Arbitrary Polarizations, Lattices, and Defects. Journal of Lightwave Technology, 2007, 25, 571-583.	4.6	10
200	A 2-D Composite Medium Exhibiting Broadband Negative Permittivity and Permeability. , 2006, , .		8
201	Practical limitations of subwavelength resolution using negative-refractive-index transmission-line lenses. IEEE Transactions on Antennas and Propagation, 2005, 53, 3201-3209.	5.1	30
202	Growing evanescent waves in continuous transmission-line grid media. IEEE Microwave and Wireless Components Letters, 2005, 15, 131-133.	3.2	7
203	Super-Resolving Negative-Refractive-Index Transmission-Line Lenses. , 2005, , 93-169.		5
204	Corrections to â€œNegative Refraction, Growing Evanescent Waves, and Sub-Diffraction Imaging in Loaded Transmission-Line Metamaterialsâ€• IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1580-1580.	4.6	3
205	Negative-refractive-index transmission-line metamaterials and enabling electromagnetic applications. , 2004, , .		52
206	Overcoming the Diffraction Limit with a Planar Left-Handed Transmission-Line Lens. Physical Review Letters, 2004, 92, 117403.	7.8	683
207	Enabling electromagnetic applications of negative-refractive-index transmission-line metamaterials part I. , 2004, , .		0
208	Negative refraction, growing evanescent waves, and sub-diffraction imaging in loaded transmission-line metamaterials. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2297-2305.	4.6	68
209	Periodic analysis of a 2-D negative refractive index transmission line structure. IEEE Transactions on Antennas and Propagation, 2003, 51, 2604-2611.	5.1	170
210	Dispersion analysis of a microstrip-based negative refractive index periodic structure. IEEE Microwave and Wireless Components Letters, 2003, 13, 155-157.	3.2	44
211	Growing evanescent waves in negative-refractive-index transmission-line media. Applied Physics Letters, 2003, 82, 1815-1817.	3.3	108
212	Subwavelength focusing using a negative-refractive-index transmission line lens. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 186-189.	4.0	35
213	Subwavelength focusing using a negative-refractive-index transmission line lens. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 186-189.	4.0	23
214	Leaky CPW-based slot antenna arrays for millimeter-wave applications. IEEE Transactions on Antennas and Propagation, 2002, 50, 1494-1504.	5.1	104
215	Experimental verification of backward-wave radiation from a negative refractive index metamaterial. Journal of Applied Physics, 2002, 92, 5930-5935.	2.5	477
216	A novel leaky millimeter-wave linear slot array. , 2000, , .		0

#	Article	IF	Citations
217	The NUMAchine multiprocessor. , 0, , .		29
218	Design of high-speed and flexible controllers in programmable logic devices. , 0, , .		0
219	A backward-wave antenna based on negative refractive index L-C networks. , 0, , .		77
220	A 3-D negative-refractive-index transmission-line medium. , 0, , .		1