Alessandro Toscano

List of Publications by Citations

203 papers	2,888 citations	28 h-index	45 g-index
312 ext. papers	3,895 ext. citations	2.3 avg, IF	5.56 L-index

#	Paper	IF	Citations
203	. *IEEE Transactions on Antennas and Propagation*, **2007**, 55, 2258-2267	4.9	225
202	Equivalent-Circuit Models for the Design of Metamaterials Based on Artificial Magnetic Inclusions. *IEEE Transactions on Microwave Theory and Techniques*, **2007**, 55, 2865-2873	4.1	174
201	Overcoming Mutual Blockage Between Neighboring Dipole Antennas Using a Low-Profile Patterned Metasurface. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 1414-1417	3.8	93
200	CIRCULAR POLARIZED PATCH ANTENNA GENERATING ORBITAL ANGULAR MOMENTUM. *Progress in Electromagnetics Research*, **2014**, 148, 23-30	3.8	91
199	Anisotropic Mantle Cloaks for TM and TE Scattering Reduction. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 1775-1788	4.9	69
198	Broadband Compact Horn Antennas by Using EPS-ENZ Metamaterial Lens. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 2929-2937	4.9	67
197	Mantle cloaking for co-site radio-frequency antennas. *Applied Physics Letters*, **2016**, 108, 113502	3.4	63
196	. *IEEE Transactions on Electromagnetic Compatibility*, **2011**, 53, 63-72	2	62
195	. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 4827-4834	4.9	56
194	Controlling Scattering and Absorption With Metamaterial Covers. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 4220-4229	4.9	56
193	. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1607-1617	4.9	55
192	Design of a Non-Foster Actively Loaded SRR and Application in Metamaterial-Inspired Components. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 1219-1227	4.9	51
191	Optical cloaking of cylindrical objects by using covers made of core-shell nanoparticles. *Optics Letters*, **2011**, 36, 4479-81	3	51
190	A novel design method for Blass matrix beam-forming networks. *IEEE Transactions on Antennas and Propagation*, **2002**, 50, 225-232	4.9	49
189	Multiband and Wideband Bilayer Mantle Cloaks. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 3235-3240	4.9	44
188	Possible implementation of epsilon-near-zero metamaterials working at optical frequencies. *Optics Communications*, **2012**, 285, 3412-3418	2	43
187	Doppler cloak restores invisibility to objects in relativistic motion. *Physical Review B*, **2017**, 95,	3.3	43

186	A Combined Bandpass Filter and Polarization Transformer for Horn Antennas. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 1065-1068	3.8	43
185	Spectral Dyadic Green\'s Function Formulation for Planar Integrated Structures with a Grounded Chiral Slab. *Journal of Electromagnetic Waves and Applications*, **1992**, 6, 751-769	1.3	43
184	Horn Antennas With Integrated Notch Filters. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 781-785	4.9	42
183	Nonreciprocal Horn Antennas Using Angular Momentum-Biased Metamaterial Inclusions. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 5593-5600	4.9	35
182	Dynamic LOS/NLOS Statistical Discrimination of Wireless Mobile Channels. *IEEE Vehicular Technology Conference*, **2007**,	0.1	35
181	Nonreciprocity in Antenna Radiation Induced by Space-Time Varying Metamaterial Cloaks. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 1968-1972	3.8	34
180	Satellite Applications of Electromagnetic Cloaking. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 4931-4934	4.9	31
179	Optical invisibility through metasurfaces made of plasmonic nanoparticles. *Journal of Applied Physics*, **2015**, 117, 123103	2.5	30
178	A new efficient method of analysis for inhomogeneous media shields and filters. *IEEE Transactions on Electromagnetic Compatibility*, **2001**, 43, 394-399	2	30
177	Full-wave analysis of planar stratified media with inhomogeneous layers. *IEEE Transactions on Antennas and Propagation*, **2000**, 48, 631-633	4.9	29
176	Self-Filtering Low-Noise Horn Antenna for Satellite Applications. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 354-357	3.8	28
175	A NEW ACCURATE MODEL OF HIGH-IMPEDANCE SURFACES CONSISTING OF CIRCULAR PATCHES. *Progress in Electromagnetics Research M*, **2011**, 21, 1-17	0.6	27
174	Temporal multilayer structures for designing higher-order transfer functions using time-varying metamaterials. *Applied Physics Letters*, **2021**, 118, 101901	3.4	27
173	. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1542-1552	4.9	26
172	Analytical Model of Connected Bi-Omega: Robust Particle for the Selective Power Transmission Through Sub-Wavelength Apertures. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 2093-2101	4.9	25
171	Spectral electromagnetic modeling of a planar integrated structure with a general grounded anisotropic slab. *IEEE Transactions on Antennas and Propagation*, **1993**, 41, 362-370	4.9	25
170	Light propagation through metamaterial temporal slabs: reflection, refraction, and special cases. *Optics Letters*, **2020**, 45, 5836-5839	3	24
169	Efficient and wideband horn nanoantenna. *Optics Letters*, **2011**, 36, 1743-5	3	23

168	Exploiting the surface dispersion of nanoparticles to design optical-resistive sheets and Salisbury absorbers. *Optics Letters*, **2016**, 41, 3383-6	3	22
167	Tunable scattering cancellation cloak with plasmonic ellipsoids in the visible. *Physical Review B*, **2016**, 93,	3.3	22
166	Design of a multifunctional SRR-loaded printed monopole antenna. *International Journal of RF and Microwave Computer-Aided Engineering*, **2012**, 22, 552-557	1.5	22
165	Inhomogeneous layered planar structures: an analysis of reflection coefficient. *IEEE Transactions on Magnetics*, **1998**, 34, 2771-2774	2	22
164	Very fast design formulas for microwave nonhomogeneous media filters. *Microwave and Optical Technology Letters*, **1999**, 22, 218-221	1.2	22
163	Recent Trends in the World Gas Market: Economical, Geopolitical and Environmental Aspects. *Sustainability*, **2016**, 8, 154	3.6	21
162	. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1717-1725	4.9	20
161	Nonlinear Mantle Cloaking Devices for Power-Dependent Antenna Arrays. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1727-1730	3.8	19
160	Optical Scattering Cancellation through Arrays of Plasmonic Nanoparticles: A Review. *Photonics*, **2015**, 2, 540-552	2.2	19
159	Exploiting Intrinsic Dispersion of Metamaterials for Designing Broadband Aperture Antennas: Theory and Experimental Verification. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 1141-1148	4.9	18
158	Design of a Waveguide Diplexer Based on Connected Bi-Omega Particles. *IEEE Microwave and Wireless Components Letters*, **2012**, 22, 126-128	2.6	18
157	EXPLOITING THE TOPOLOGICAL ROBUSTNESS OF COMPOSITE VORTICES IN RADIATION SYSTEMS. *Progress in Electromagnetics Research*, **2018**, 162, 39-50	3.8	18
156	Scattering Manipulation and Camouflage of Electrically Small Objects through Metasurfaces. *Physical Review Applied*, **2017**, 7,	4.3	17
155	Novel waveguide components based on complementary electrically small resonators. *Photonics and Nanostructures - Fundamentals and Applications*, **2014**, 12, 284-290	2.6	17
154	Core-Shell Super-Spherical Nanoparticles for LSPR-Based Sensing Platforms. *IEEE Journal of Selected Topics in Quantum Electronics*, **2017**, 23, 380-387	3.8	17
153	ANALYTICAL MODEL OF A METASURFACE CONSISTING OF A REGULAR ARRAY OF SUB-WAVELENGTH CIRCULAR HOLES IN A METAL SHEET. *Progress in Electromagnetics Research M*, **2011**, 18, 209-219	0.6	17
152	Radiation and scattering features of patch antennas with bianisotropic substrates. *IEEE Transactions on Antennas and Propagation*, **2003**, 51, 449-456	4.9	17
151	. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1851-1859	4.9	17

150	Design of cloaked Yagi-Uda antennas. *EPJ Applied Metamaterials*, **2016**, 3, 10	0.8	16
149	INDUCTIVE TRI-BAND DOUBLE ELEMENT FSS FOR SPACE APPLICATIONS. *Progress in Electromagnetics Research C*, **2011**, 18, 87-101	0.9	16
148	Patch Antenna Generating Structured Fields With a Möbius Polarization State. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1345-1348	3.8	15
147	Balanced and unbalanced waveguide power splitters based on connected bi-omega particles. *Electronics Letters*, **2013**, 49, 1504-1506	1.1	15
146	Design and experimental validation of dual-band circularly polarised horn filtenna. *Electronics Letters*, **2017**, 53, 641-642	1.1	14
145	Scattering and absorption from super-spherical nanoparticles: analysis and design for transparent displays [Invited]. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, D62	1.7	14
144	Dielectric-free multi-band frequency selective surface for antenna applications. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2013**, 32, 1868-1875	0.7	14
143	Fast ray-tracing technique for electromagnetic field prediction in mobile communications. *IEEE Transactions on Magnetics*, **2003**, 39, 1238-1241	2	14
142	FEM-BEM formulation for the analysis of cavity-backed patch antennas on chiral substrates. *IEEE Transactions on Antennas and Propagation*, **2003**, 51, 306-311	4.9	14
141	Characteristic impedance of a microstrip line with a dielectric overlay. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2013**, 32, 1855-1867	0.7	13
140	. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1799-1811	4.9	13
139	Filtering Chiral Particle for Rotating the Polarization State of Antennas and Waveguides Components. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 1468-1471	4.9	12
138	Narrowband transparent absorbers based on ellipsoidal nanoparticles. *Applied Optics*, **2017**, 56, 7533-7538	1.7	12
137	Angular Momentum-biased metamaterials for filtering waveguide components and antennas with non-reciprocal behavior **2014**,		12
136	Analysis of the scattering and absorption properties of ellipsoidal nanoparticle arrays for the design of full-color transparent screens. *Journal of Applied Physics*, **2017**, 121, 243106	2.5	11
135	VARYING THE OPERATION BANDWIDTH OF METAMATERIAL-INSPIRED FILTERING MODULES FOR HORN ANTENNAS. *Progress in Electromagnetics Research C*, **2015**, 58, 61-68	0.9	11
134	A New Efficient Moment Method Formulation for the Design of Microstrip Antennas Over a Chiral Grounded Slab. *Journal of Electromagnetic Waves and Applications*, **1997**, 11, 567-592	1.3	11
133	Analysis of microstrip antennas using neural networks. *IEEE Transactions on Magnetics*, **1997**, 33, 1414-1419	1	11

132	Electromagnetic Isolation Induced by Time-Varying Metasurfaces: Nonreciprocal Bragg Grating. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1886-1890	3.8	11
131	Design of multi-layer mantle cloaks **2014**,		10
130	. *IEEE Journal on Multiscale and Multiphysics Computational Techniques*, **2017**, 2, 168-173	1.5	10
129	Broad-Band U-Slot Patch Antennas Loaded By Chiral Material. *Journal of Electromagnetic Waves and Applications*, **2001**, 15, 1303-1317	1.3	10
128	Radial and asymptotic closed form representation of the spatial microstrip dyadic Green's function. *Journal of Electromagnetic Waves and Applications*, **1995**, 9, 97-126	1.3	10
127	Sustainable Acoustic Metasurfaces for Sound Control. *Sustainability*, **2016**, 8, 107	3.6	10
126	The Design of Optical Circuit-Analog Absorbers through Electrically Small Nanoparticles. *Photonics*, **2019**, 6, 26	2.2	9
125	Waveguide Components and Aperture Antennas With Frequency- and Time-Domain Selectivity Properties. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 7196-7201	4.9	9
124	Linear-to-circular polarization transformer using electrically small antennas **2012**,		9
123	PERMITTIVITY OF SUB-SOIL MATERIALS RETRIEVED THROUGH TRANSMISSION LINE MODEL AND GPR DATA. *Progress in Electromagnetics Research*, **2015**, 151, 65-72	3.8	8
122	A New Stripline High Pass Filter Layout. *Journal of Electromagnetic Waves and Applications*, **2000**, 14, 423-439	1.3	8
121	Metasurface-bounded open cavities supporting virtual absorption: free-space energy accumulation in lossless systems. *Optics Letters*, **2020**, 45, 3147-3150	3	8
120	On the Use of Nonlinear Metasurfaces for Circumventing Fundamental Limits of Mantle Cloaking for Antennas. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 5048-5053	4.9	8
119	Metasurface-based anti-reflection coatings at optical frequencies. *Journal of Optics (United Kingdom)*, **2018**, 20, 055001	1.7	7
118	Symmetrical Coupled Microstrip Lines With Epsilon Negative Metamaterial Loading. *IEEE Transactions on Magnetics*, **2009**, 45, 1182-1185	2	7
117	Exponentially tapered non-uniform transmission lines. *IEEE Transactions on Magnetics*, **1997**, 33, 1492-1495	2	7
116	Efficient Modeling of the Crosstalk Between Two Coupled Microstrip Lines Over Nonconventional Materials Using an Hybrid Technique. *IEEE Transactions on Magnetics*, **2008**, 44, 1482-1485	2	7
115	Towards Waveform-Selective Cloaking Devices Exploiting Circuit-Loaded Metasurfaces **2018**,		7

114	Efficient energy transfer through a bifilar metamaterial line connecting microwave waveguides. *Journal of Applied Physics*, **2017**, 121, 054901	2.5	6
113	Metasurface mantle cloak for antenna applications **2012**,		6
112	A generalized Smith chart for an exponential tapered nonuniform transmission line. *Microwave and Optical Technology Letters*, **1997**, 14, 36-39	1.2	6
111	Scattering properties of antennas residing in cavities filled by inhomogeneous materials via a variational formulation. *Journal of Modern Optics*, **1999**, 46, 1995-2005	1.1	6
110	Effects of chirality admittance on the propagating modes in a parallel-plate waveguide partially filled with a chiral slab. *Microwave and Optical Technology Letters*, **1993**, 6, 806-809	1.2	6
109	Progress and perspective on advanced cloaking metasurfaces: from invisibility to intelligent antennas. *EPJ Applied Metamaterials*, **2021**, 8, 7	0.8	6
108	Design of a waveguide power splitter based on the employment of bi-omega resonators. *Microwave and Optical Technology Letters*, **2012**, 54, 2091-2095	1.2	5
107	Experimental verification of metamaterial loaded small patch antennas. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2013**, 32, 1834-1844	0.7	5
106	Restoring the radiating performances of shortened horn antennas over a broad frequency range **2013**,		5
105	Single patch antenna generating electromagnetic field with orbital angular momentum **2013**,		5
104	Theoretical and experimental analysis of magnetic inclusions for the realization of metamaterials at different frequencies. *IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium*, **2007**,		5
103	Rome 2006: Third Workshop on "Metamaterials and Special Materials for Electromagnetic Applications and TLC". *IEEE Antennas and Propagation Magazine*, **2006**, 48, 130-132	1.7	5
102	Efficient numerical evaluation of superconducting microstrip structures with bianisotropic layers. *International Journal of Applied Electromagnetics and Mechanics*, **2004**, 19, 15-18	0.4	5
101	Design of Inhomogeneous Slabs for Filtering Applications Via Closed Form Solutions of the Reflection Coefficient. *Journal of Electromagnetic Waves and Applications*, **2002**, 16, 1233-1254	1.3	5
100	Microstrip Disk Antennas With Inhomogeneous Artificial Dielectrics. *Journal of Electromagnetic Waves and Applications*, **2000**, 14, 1203-1227	1.3	5
99	Analysis of printed-circuit antennas with chiral substrates with the method of lines. *IEEE Transactions on Antennas and Propagation*, **2001**, 49, 48-54	4.9	5
98	Evaluation of the resonant frequencies and bandwidth in microstrip antennas with a chiral grounded slab. *International Journal of Electronics*, **1996**, 81, 671-676	1.2	5
97	Novel characteristics of radiation patterns of a pseudochiral point-source antenna. *Microwave and Optical Technology Letters*, **1994**, 7, 247-250	1.2	5

96	Perfect matching of reactive-loaded transmission lines through complex excitation **2020**,		5
95	Design of High-Q Passband Filters Implemented Through Multipolar All-Dielectric Metasurfaces. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 5142-5147	4.9	5
94	Antenna Arrays Emulate Metamaterial-Based Carpet Cloak Over a Wide Angular and Frequency Bandwidth. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 2346-2353	4.9	4
93	Mantle cloak devices for TE and TM polarizations **2013**,		4
92	Spatio-temporal modulated Doppler cloak for antenna matching at relativistic velocity **2017**,		4
91	Signal manipulation through horn antennas loaded with metamaterial-inspired particles: A review. *EPJ Applied Metamaterials*, **2015**, 2, 5	0.8	4
90	Power-selectivity horn filtenna loaded with a nonlinear SRR **2015**,		4
89	Experimental verification of broadband antennas loaded with metamaterials **2015**,		4
88	Radio frequency animal identification: electromagnetic analysis and experimental evaluation of the transponder-gate system. *International Journal of Radio Frequency Identification Technology and Applications*, **2006**, 1, 90		4
87	Generalized Reflection Coefficient for Non Uniform Transmission Lines. *Journal of Electromagnetic Waves and Applications*, **2000**, 14, 945-959	1.3	4
86	Analysis of cavity backed rectangular patch antennas with inhomogeneous chiral substrates via a FEM-BEM formulation. *IEEE Transactions on Magnetics*, **2001**, 37, 3260-3263	2	4
85	. *IEEE Transactions on Magnetics*, **1993**, 29, 1726-1729	2	4
84	Metasurfaces 3.0: a New Paradigm for Enabling Smart Electromagnetic Environments. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	4
83	Metasurface virtual absorbers: unveiling operative conditions through equivalent lumped circuit model. *EPJ Applied Metamaterials*, **2021**, 8, 3	0.8	4
82	Robustness of Acoustic Scattering Cancellation to Parameter Variations. *Sustainability*, **2014**, 6, 4416-4425	3.6	3
81	Design and simulations of dual-polarized mantle cloaking devices **2013**,		3
80	Achieving PMC boundary conditions through metamaterials. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2013**, 32, 1876-1890	0.7	3
79	A new tool for the retrieval of effective permittivity of ground by using a commercial GPR **2013**,		3

78	Electrical and radiation properties of a horn nano-antenna at near infrared frequencies **2011**,		3
77	Design of a non-foster actively loaded metamaterial-inspired antenna **2012**,		3
76	Electromagnetic plane wave scattering by large and finite strip array on dielectric slab. *Annales Des Telecommunications/Annals of Telecommunications*, **1997**, 52, 209-218	2	3
75	Tapered stripline embedded in inhomogeneous media as microwave matching line. *IEEE Transactions on Microwave Theory and Techniques*, **2001**, 49, 970-978	4.1	3
74	Complex frequency excitation enabling perfect matching of reactive-loaded transmission lines **2020**,		3
73	Scattering properties of patch antennas loaded with inhomogeneous substrates via a combined spectral domain-moment method. *Journal of Modern Optics*, **2001**, 48, 425-438	1.1	3
72	Scattering-free energy storage in open cavities bounded by metasurfaces **2020**,		3
71	Antenna-based carpet cloak: A possible frequency and angular broadband cloaking technique **2016**,		3
70	Advancements in Doppler cloak technology: Manipulation of Doppler Effect and invisibility for moving objects **2016**,		3
69	On the Topological Robustness of Vortex Modes at Microwave Frequencies. *Radioengineering*, **2019** , 27, 499-504	0.8	3
68	Power-dependent invisibility devices for antenna arrays **2019**,		3
67	Metasurface-based Doppler cloaks: Time-varying metasurface profile to achieve perfect frequency mixing **2018**,		3
66	Exploiting Electromagnetic Cloaking to Design Compact Nanosatellite Systems **2018**,		3
65	Mantle cloaking and related applications in antennas **2014**,		2
64	Experimental demonstration of the enhanced transmission through circular and rectangular sub-wavelength apertures using omega-like split-ring resonators. *Photonics and Nanostructures - Fundamentals and Applications*, **2013**, 11, 55-64	2.6	2
63	Design of a circular polarized horn filtenna using complementary electrically small resonators **2013**,		2
62	A System-by-Design approach for the synthesis of multi-layer mantle cloaks **2015**,		2
61	Reciprocal and non-reciprocal signal manipulation through horn antennas loaded with metamaterial-inspired particles **2015**,		2

60	Wireless monitoring of heterogeneous parameters in complex museum scenario **2014**,		2
59	Extracting power from sub-wavelength apertures by using electrically small resonators: Phenomenology, modeling, and applications **2012**,		2
58	Exponentially tapered nonuniform transmission lines for high-pass filter design. *Microwave and Optical Technology Letters*, **1997**, 16, 227-229	1.2	2
57	Guest editorial for special issue on metamaterials and special materials for electromagnetic applications and telecommunications. *Microwave and Optical Technology Letters*, **2006**, 48, 2481-2482	1.2	2
56	Analysis of Cavity-Backed Antennas with Chiral Substrates and Superstrate Using the Finite Element Method. *Electromagnetics*, **2004**, 24, 3-12	0.8	2
55	. *IEEE Transactions on Antennas and Propagation*, **2003**, 51, 2869-2877	4.9	2
54	The method of lines for mutual coupling analysis of a finite array of patch antennas on a cylindrical stratified structure. *IEEE Transactions on Antennas and Propagation*, **2003**, 51, 1907-1913	4.9	2
53	A novel design method for tapered strip lines as microwave filters. *Microwave and Optical Technology Letters*, **2000**, 24, 67-71	1.2	2
52	Asymptotic closed-form representation of the spatial microstrip dyadic green\&function. *Microwave and Optical Technology Letters*, **1995**, 8, 103-106	1.2	2
51	Input impedance of a chirostrip antenna **1995**,		2
50	Spectral electric green\&dyad for a grounded bianisotropic slab fed by a three-dimensional point source. *Microwave and Optical Technology Letters*, **1994**, 7, 448-450	1.2	2
49	Radiation of an electric point-source in a homogeneous omega medium. *Journal of the Franklin Institute*, **1995**, 332, 579-594	4	2
48			2
47	On the surface impedance modeling of metasurfaces composed of graphene-coated spherical nano-particles. *Journal of the Optical Society of America B: Optical Physics*,	1.7	2
46	Overcoming Mantle Cloaking Limits in Antenna Applications through Non-Linear Metasurfaces **2020**,		2
45	Spectral Dyadic Green\&Function Formulation for Planar Integrated Structures with a Grounded Chiral Slab. *Journal of Electromagnetic Waves and Applications*, **1992**, 6, 751-769	1.3	2
44	Achieving Electromagnetic Isolation by using Up- and Down-converting Time-Varying Metasurfaces **2020**,		2
43	Non-linear Mantle Cloaks for Self-Configurable Power-Dependent Phased Arrays **2020**,		2

42	Design of mantle cloaks through a System-by-Design approach **2016**,		1
41	Super-spherical core-shell nanoparticles: Nanostructured materials enabling applications in the visible regime **2016**,		1
40	Design and Experimental Verification of a Compact Gaussian Beam Source for Parallel-Plate Waveguide Tests. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 4288-4291	4.9	1
39	Enhancing the performances of satellite telecommunication systems exploiting electromagnetic cloaking **2017**,		1
38	DESIGN OF A LOW-PROFILE ANTENNA BY USING ORTHOGONAL PARASITIC MEANDERED MONOPOLES. *Progress in Electromagnetics Research Letters*, **2015**, 55, 23-29	0.5	1
37	SRR-based notch filter for horn antennas **2014**,		1
36	Metamaterial split-ring resonators for retrieval of soil electromagnetic properties **2013**,		1
35	Metamaterial applications in RFID. *Microwave and Optical Technology Letters*, **2009**, 51, 2745-2748	1.2	1
34	Scattering and radiation analysis of cavity-backed microstrip patch antennae with anisotropic slabs via a variational formulation. *Journal of Modern Optics*, **1997**, 44, 1651-1660	1.1	1
33	Electromagnetic field computation in planar integrated structures with a biisotropic chiral grounded slab. *IEEE Transactions on Magnetics*, **1997**, 33, 1504-1507	2	1
32	Impedance matrix representation for exponentially nonuniform transmission lines. *Microwave and Optical Technology Letters*, **1998**, 18, 300-302	1.2	1
31	Coupled microstriplines with ENG metamaterial loading: physical concepts, design formulas, and numerical simulations **2007**,		1
30	Numerical analysis of uniform rectangular waveguides filled by inhomogeneous dielectrics. *Microwave and Optical Technology Letters*, **2002**, 34, 313-316	1.2	1
29	Mutual coupling between two circular patch antennas integrated in an inhomogeneous grounded slab. *Microwave and Optical Technology Letters*, **2000**, 25, 294-297	1.2	1
28	Isotropic-pseudochiral interface characteristics. *Journal of Electromagnetic Waves and Applications*, **1995**, 9, 1045-1063	1.3	1
27	Efficient moment-method analysis of a magnetic dipole. *Microwave and Optical Technology Letters*, **1996**, 13, 335-339	1.2	1
26	. *IEEE Open Journal of Antennas and Propagation*, **2022**, 3, 135-153	1.9	1
25	Waveform-Selective Devices for Antenna Applications **2020**,		1

24	Scattering camouflage and manipulation using metasurfaces **2016**,		1
23	Metamaterials meeting industrial products: A successful example in Italy **2016**,		1
22	Space-time modulated cloaks for breaking reciprocity of antenna radiation **2019**,		1
21	Homogenization of All-Dielectric Metasurfaces: Theory and Applications **2019**,		1
20	Topological Robustness of Phase Singularities at Microwave Frequencies **2019**,		1
19	Electromagnetic Cloaking for Antenna Arrays **2018**,		1
18	Engineered Electromagnetic Surfaces and Their Applications141-173		1
17	Multi-Layered Coating Metasurfaces Enabling Frequency Reconfigurability in Wire Antenna. *IEEE Open Journal of Antennas and Propagation*, **2022**, 3, 206-216	1.9	0
16	Radiation of an Electric Line-Source in an Homogeneous Omega Medium with Cylindrical Symmetry. *Electromagnetics*, **1997**, 17, 403-419	0.8	
15	Polarization properties for the electromagnetic field in an unbounded n-type semiconductor medium. *Microwave and Optical Technology Letters*, **1998**, 17, 332-335	1.2	
14	Spatial Electromagnetic Fields in an Homogeneous Omega Medium With Circular Cylindrical Symmetry. *Journal of Electromagnetic Waves and Applications*, **1998**, 12, 469-479	1.3	
13	Scattering from a cavity backed microstrip antenna on a bi-anisotropic substrate with a finite ground plane by a hybrid finite element method. *IEEE Transactions on Magnetics*, **1998**, 34, 2716-2719	2	
12	BEM analysis of electromagnetic components filled with unconventional materials. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2008**, 27, 1273-1285	0.7	
11	Electromagnetic wave propagation in rectangular waveguides filled with Omega-medium. *Journal of Modern Optics*, **2005**, 52, 1293-1308	1.1	
10	Dielectric ground plane design over bianisotropic media. *Journal of Computational Electronics*, **2006** , 5, 229-234	1.8	
9	Propagation characteristics of a plane wave in an unbounded nonlocal omega medium. *Microwave and Optical Technology Letters*, **2002**, 32, 183-186	1.2	
8	Advanced Electromagnetic Modelling of Multilayer Monolithic Microwave Integrated Circuit. *Journal of Computational Electronics*, **2003**, 2, 469-473	1.8	
7	Scattering properties of patch antennas loaded with inhomogeneous substrates via a combined spectral domainmoment method. *Journal of Modern Optics*, **2001**, 48, 425-438	1.1	

6	Properties of inhomogeneous materials for microwave radiation components **2000**, 4097, 85	
5	Spatial electromagnetic fields in a nonhomogeneous Omega medium with circular cylindrical symmetry. *International Journal of Applied Electromagnetics and Mechanics*, **1998**, 9, 179-190	0.4
4	Radiated fields from a planar structure with a superconducting slab. *Microwave and Optical Technology Letters*, **1995**, 10, 59-62	1.2
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