

# Alessandro Toscano

## 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.

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	Multi-Layered Coating Metasurfaces Enabling Frequency Reconfigurability in Wire Antenna. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2022</b> , 3, 206-216	1.9	0
202	. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2022</b> , 3, 135-153	1.9	1
201	Metasurfaces 3.0: a New Paradigm for Enabling Smart Electromagnetic Environments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	4
200	Temporal transition in parallel-plate waveguides: analysis of scattering and propagation at the temporal interface. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2015, 012119	0.3	
199	Propagation and scattering effects in temporal metastructures. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2015, 012120	0.3	
198	Time-varying metamaterials and metasurfaces for antennas and propagation applications. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2015, 012121	0.3	
197	Temporal multilayer structures for designing higher-order transfer functions using time-varying metamaterials. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 101901	3.4	27
196	Metasurface virtual absorbers: unveiling operative conditions through equivalent lumped circuit model. <i>EPJ Applied Metamaterials</i> , <b>2021</b> , 8, 3	0.8	4
195	Progress and perspective on advanced cloaking metasurfaces: from invisibility to intelligent antennas. <i>EPJ Applied Metamaterials</i> , <b>2021</b> , 8, 7	0.8	6
194	On the Use of Nonlinear Metasurfaces for Circumventing Fundamental Limits of Mantle Cloaking for Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5048-5053	4.9	8
193	Design of High-Q Passband Filters Implemented Through Multipolar All-Dielectric Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5142-5147	4.9	5
192	Waveguide Components and Aperture Antennas With Frequency- and Time-Domain Selectivity Properties. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7196-7201	4.9	9
191	Electromagnetic Isolation Induced by Time-Varying Metasurfaces: Nonreciprocal Bragg Grating. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1886-1890	3.8	11
190	Overcoming Mantle Cloaking Limits in Antenna Applications through Non-Linear Metasurfaces <b>2020</b> ,		2
189	Metasurface-bounded open cavities supporting virtual absorption: free-space energy accumulation in lossless systems. <i>Optics Letters</i> , <b>2020</b> , 45, 3147-3150	3	8
188	Light propagation through metamaterial temporal slabs: reflection, refraction, and special cases. <i>Optics Letters</i> , <b>2020</b> , 45, 5836-5839	3	24
187	Complex frequency excitation enabling perfect matching of reactive-loaded transmission lines <b>2020</b> ,		3

186	Achieving Electromagnetic Isolation by using Up- and Down-converting Time-Varying Metasurfaces <b>2020,</b>		2
185	Waveform-Selective Devices for Antenna Applications <b>2020,</b>		1
184	Non-linear Mantle Cloaks for Self-Configurable Power-Dependent Phased Arrays <b>2020,</b>		2
183	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1607-1617	4.9	55
182	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1851-1859	4.9	17
181	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1542-1552	4.9	26
180	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1799-1811	4.9	13
179	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1717-1725	4.9	20
178	Scattering-free energy storage in open cavities bounded by metasurfaces <b>2020,</b>		3
177	Perfect matching of reactive-loaded transmission lines through complex excitation <b>2020,</b>		5
176	The Design of Optical Circuit-Analog Absorbers through Electrically Small Nanoparticles. <i>Photonics</i> , <b>2019</b> , 6, 26	2.2	9
175	Space-time modulated cloaks for breaking reciprocity of antenna radiation <b>2019,</b>		1
174	On the Topological Robustness of Vortex Modes at Microwave Frequencies. <i>Radioengineering</i> , <b>2019</b> , 27, 499-504	0.8	3
173	Power-dependent invisibility devices for antenna arrays <b>2019,</b>		3
172	Homogenization of All-Dielectric Metasurfaces: Theory and Applications <b>2019,</b>		1
171	Topological Robustness of Phase Singularities at Microwave Frequencies <b>2019,</b>		1
170	Antenna Arrays Emulate Metamaterial-Based Carpet Cloak Over a Wide Angular and Frequency Bandwidth. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2346-2353	4.9	4
169	Metasurface-based anti-reflection coatings at optical frequencies. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 055001	1.7	7

168	Design and Experimental Verification of a Compact Gaussian Beam Source for Parallel-Plate Waveguide Tests. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4288-4291	4.9	1
167	Electromagnetic Cloaking for Antenna Arrays <b>2018</b> ,		1
166	Towards Waveform-Selective Cloaking Devices Exploiting Circuit-Loaded Metasurfaces <b>2018</b> ,		7
165	Metasurface-based Doppler cloaks: Time-varying metasurface profile to achieve perfect frequency mixing <b>2018</b> ,		3
164	Exploiting Electromagnetic Cloaking to Design Compact Nanosatellite Systems <b>2018</b> ,		3
163	EXPLOITING THE TOPOLOGICAL ROBUSTNESS OF COMPOSITE VORTICES IN RADIATION SYSTEMS. <i>Progress in Electromagnetics Research</i> , <b>2018</b> , 162, 39-50	3.8	18
162	Nonreciprocity in Antenna Radiation Induced by Space-Time Varying Metamaterial Cloaks. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1968-1972	3.8	34
161	Nonlinear Mantle Cloaking Devices for Power-Dependent Antenna Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1727-1730	3.8	19
160	Patch Antenna Generating Structured Fields With a Möbius Polarization State. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1345-1348	3.8	15
159	Design and experimental validation of dual-band circularly polarised horn antenna. <i>Electronics Letters</i> , <b>2017</b> , 53, 641-642	1.1	14
158	Efficient energy transfer through a bifilar metamaterial line connecting microwave waveguides. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 054901	2.5	6
157	Scattering Manipulation and Camouflage of Electrically Small Objects through Metasurfaces. <i>Physical Review Applied</i> , <b>2017</b> , 7,	4.3	17
156	Filtering Chiral Particle for Rotating the Polarization State of Antennas and Waveguides Components. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 1468-1471	4.9	12
155	Scattering and absorption from super-spherical nanoparticles: analysis and design for transparent displays [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, D62	1.7	14
154	. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , <b>2017</b> , 2, 168-173	1.5	10
153	Satellite Applications of Electromagnetic Cloaking. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4931-4934	4.9	31
152	Analysis of the scattering and absorption properties of ellipsoidal nanoparticle arrays for the design of full-color transparent screens. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 243106	2.5	11
151	Doppler cloak restores invisibility to objects in relativistic motion. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	43

150	Core-Shell Super-Spherical Nanoparticles for LSPR-Based Sensing Platforms. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 380-387	3.8	17
149	Enhancing the performances of satellite telecommunication systems exploiting electromagnetic cloaking <b>2017</b> ,		1
148	Spatio-temporal modulated Doppler cloak for antenna matching at relativistic velocity <b>2017</b> ,		4
147	Narrowband transparent absorbers based on ellipsoidal nanoparticles. <i>Applied Optics</i> , <b>2017</b> , 56, 7533-7538	3.8	12
146	Design of mantle cloaks through a System-by-Design approach <b>2016</b> ,		1
145	Super-spherical core-shell nanoparticles: Nanostructured materials enabling applications in the visible regime <b>2016</b> ,		1
144	Exploiting the surface dispersion of nanoparticles to design optical-resistive sheets and Salisbury absorbers. <i>Optics Letters</i> , <b>2016</b> , 41, 3383-6	3	22
143	Tunable scattering cancellation cloak with plasmonic ellipsoids in the visible. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	22
142	Design of cloaked Yagi-Uda antennas. <i>EPJ Applied Metamaterials</i> , <b>2016</b> , 3, 10	0.8	16
141	Exploiting Intrinsic Dispersion of Metamaterials for Designing Broadband Aperture Antennas: Theory and Experimental Verification. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 1141-1148	4.9	18
140	Recent Trends in the World Gas Market: Economical, Geopolitical and Environmental Aspects. <i>Sustainability</i> , <b>2016</b> , 8, 154	3.6	21
139	Sustainable Acoustic Metasurfaces for Sound Control. <i>Sustainability</i> , <b>2016</b> , 8, 107	3.6	10
138	Antenna-based carpet cloak: A possible frequency and angular broadband cloaking technique <b>2016</b> ,		3
137	Advancements in Doppler cloak technology: Manipulation of Doppler Effect and invisibility for moving objects <b>2016</b> ,		3
136	Scattering camouflage and manipulation using metasurfaces <b>2016</b> ,		1
135	Mantle cloaking for co-site radio-frequency antennas. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 113502	3.4	63
134	Metamaterials meeting industrial products: A successful example in Italy <b>2016</b> ,		1
133	Optical invisibility through metasurfaces made of plasmonic nanoparticles. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 123103	2.5	30

132	Multiband and Wideband Bilayer Mantle Cloaks. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 3235-3240	4.9	44
131	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4827-4834	4.9	56
130	Nonreciprocal Horn Antennas Using Angular Momentum-Biased Metamaterial Inclusions. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 5593-5600	4.9	35
129	Horn Antennas With Integrated Notch Filters. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 781-785	4.9	42
128	Signal manipulation through horn antennas loaded with metamaterial-inspired particles: A review. <i>EPJ Applied Metamaterials</i> , <b>2015</b> , 2, 5	0.8	4
127	PERMITTIVITY OF SUB-SOIL MATERIALS RETRIEVED THROUGH TRANSMISSION LINE MODEL AND GPR DATA. <i>Progress in Electromagnetics Research</i> , <b>2015</b> , 151, 65-72	3.8	8
126	DESIGN OF A LOW-PROFILE ANTENNA BY USING ORTHOGONAL PARASITIC MEANDERED MONOPOLES. <i>Progress in Electromagnetics Research Letters</i> , <b>2015</b> , 55, 23-29	0.5	1
125	VARYING THE OPERATION BANDWIDTH OF METAMATERIAL-INSPIRED FILTERING MODULES FOR HORN ANTENNAS. <i>Progress in Electromagnetics Research C</i> , <b>2015</b> , 58, 61-68	0.9	11
124	Optical Scattering Cancellation through Arrays of Plasmonic Nanoparticles: A Review. <i>Photonics</i> , <b>2015</b> , 2, 540-552	2.2	19
123	Power-selectivity horn filtenna loaded with a nonlinear SRR <b>2015</b> ,		4
122	Experimental verification of broadband antennas loaded with metamaterials <b>2015</b> ,		4
121	A System-by-Design approach for the synthesis of multi-layer mantle cloaks <b>2015</b> ,		2
120	Reciprocal and non-reciprocal signal manipulation through horn antennas loaded with metamaterial-inspired particles <b>2015</b> ,		2
119	Anisotropic Mantle Cloaks for TM and TE Scattering Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 1775-1788	4.9	69
118	Analytical Model of Connected Bi-Omega: Robust Particle for the Selective Power Transmission Through Sub-Wavelength Apertures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2093-2104	4.9	25
117	Design of multi-layer mantle cloaks <b>2014</b> ,		10
116	Mantle cloaking and related applications in antennas <b>2014</b> ,		2
115	Controlling Scattering and Absorption With Metamaterial Covers. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 4220-4229	4.9	56

114	Novel waveguide components based on complementary electrically small resonators. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2014</b> , 12, 284-290	2.6	17
113	CIRCULAR POLARIZED PATCH ANTENNA GENERATING ORBITAL ANGULAR MOMENTUM. <i>Progress in Electromagnetics Research</i> , <b>2014</b> , 148, 23-30	3.8	91
112	Robustness of Acoustic Scattering Cancellation to Parameter Variations. <i>Sustainability</i> , <b>2014</b> , 6, 4416-4435	3.5	3
111	Angular Momentum-biased metamaterials for filtering waveguide components and antennas with non-reciprocal behavior <b>2014</b> ,		12
110	Wireless monitoring of heterogeneous parameters in complex museum scenario <b>2014</b> ,		2
109	SRR-based notch filter for horn antennas <b>2014</b> ,		1
108	Experimental demonstration of the enhanced transmission through circular and rectangular sub-wavelength apertures using omega-like split-ring resonators. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2013</b> , 11, 55-64	2.6	2
107	Design of a circular polarized horn filtenna using complementary electrically small resonators <b>2013</b> ,		2
106	Mantle cloak devices for TE and TM polarizations <b>2013</b> ,		4
105	Design of a Non-Foster Actively Loaded SRR and Application in Metamaterial-Inspired Components. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 1219-1227	4.9	51
104	Broadband Compact Horn Antennas by Using EPS-ENZ Metamaterial Lens. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 2929-2937	4.9	67
103	Design and simulations of dual-polarized mantle cloaking devices <b>2013</b> ,		3
102	Metamaterial split-ring resonators for retrieval of soil electromagnetic properties <b>2013</b> ,		1
101	Balanced and unbalanced waveguide power splitters based on connected bi-omega particles. <i>Electronics Letters</i> , <b>2013</b> , 49, 1504-1506	1.1	15
100	Experimental verification of metamaterial loaded small patch antennas. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1834-1844	0.7	5
99	Characteristic impedance of a microstrip line with a dielectric overlay. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1855-1867	0.7	13
98	Dielectric-free multi-band frequency selective surface for antenna applications. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1868-1875	0.7	14
97	Achieving PMC boundary conditions through metamaterials. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2013</b> , 32, 1876-1890	0.7	3

96	Restoring the radiating performances of shortened horn antennas over a broad frequency range <b>2013</b> ,		5
95	A new tool for the retrieval of effective permittivity of ground by using a commercial GPR <b>2013</b> ,		3
94	Single patch antenna generating electromagnetic field with orbital angular momentum <b>2013</b> ,		5
93	A Combined Bandpass Filter and Polarization Transformer for Horn Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 1065-1068	3.8	43
92	Possible implementation of epsilon-near-zero metamaterials working at optical frequencies. <i>Optics Communications</i> , <b>2012</b> , 285, 3412-3418	2	43
91	Extracting power from sub-wavelength apertures by using electrically small resonators: Phenomenology, modeling, and applications <b>2012</b> ,		2
90	Metasurface mantle cloak for antenna applications <b>2012</b> ,		6
89	Self-Filtering Low-Noise Horn Antenna for Satellite Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 354-357	3.8	28
88	Design of a Waveguide Diplexer Based on Connected Bi-Omega Particles. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2012</b> , 22, 126-128	2.6	18
87	Overcoming Mutual Blockage Between Neighboring Dipole Antennas Using a Low-Profile Patterned Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1414-1417	3.8	93
86	Design of a multifunctional SRR-loaded printed monopole antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2012</b> , 22, 552-557	1.5	22
85	Design of a waveguide power splitter based on the employment of bi-omega resonators. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 2091-2095	1.2	5
84	Design of a non-foster actively loaded metamaterial-inspired antenna <b>2012</b> ,		3
83	Linear-to-circular polarization transformer using electrically small antennas <b>2012</b> ,		9
82	Efficient and wideband horn nanoantenna. <i>Optics Letters</i> , <b>2011</b> , 36, 1743-5	3	23
81	Optical cloaking of cylindrical objects by using covers made of core-shell nanoparticles. <i>Optics Letters</i> , <b>2011</b> , 36, 4479-81	3	51
80	Electrical and radiation properties of a horn nano-antenna at near infrared frequencies <b>2011</b> ,		3
79	A NEW ACCURATE MODEL OF HIGH-IMPEDANCE SURFACES CONSISTING OF CIRCULAR PATCHES. <i>Progress in Electromagnetics Research M</i> , <b>2011</b> , 21, 1-17	0.6	27



78	INDUCTIVE TRI-BAND DOUBLE ELEMENT FSS FOR SPACE APPLICATIONS. <i>Progress in Electromagnetics Research C</i> , <b>2011</b> , 18, 87-101	0.9	16
77	ANALYTICAL MODEL OF A METASURFACE CONSISTING OF A REGULAR ARRAY OF SUB-WAVELENGTH CIRCULAR HOLES IN A METAL SHEET. <i>Progress in Electromagnetics Research M</i> , <b>2011</b> , 18, 209-219	0.6	17
76	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2011</b> , 53, 63-72	2	62
75	Symmetrical Coupled Microstrip Lines With Epsilon Negative Metamaterial Loading. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1182-1185	2	7
74	Metamaterial applications in RFID. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2745-2748	1.2	1
73	Efficient Modeling of the Crosstalk Between Two Coupled Microstrip Lines Over Nonconventional Materials Using an Hybrid Technique. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 1482-1485	2	7
72	BEM analysis of electromagnetic components filled with unconventional materials. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2008</b> , 27, 1273-1285	0.7	
71	Equivalent-Circuit Models for the Design of Metamaterials Based on Artificial Magnetic Inclusions. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2007</b> , 55, 2865-2873	4.1	174
70	Dynamic LOS/NLOS Statistical Discrimination of Wireless Mobile Channels. <i>IEEE Vehicular Technology Conference</i> , <b>2007</b> ,	0.1	35
69	Coupled microstriplines with ENG metamaterial loading: physical concepts, design formulas, and numerical simulations <b>2007</b> ,		1
68	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 2258-2267	4.9	225
67	Theoretical and experimental analysis of magnetic inclusions for the realization of metamaterials at different frequencies. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , <b>2007</b> ,		5
66	Guest editorial for special issue on metamaterials and special materials for electromagnetic applications and telecommunications. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 2481-2482	1.2	2
65	Rome 2006: Third Workshop on "Metamaterials and Special Materials for Electromagnetic Applications and TLC". <i>IEEE Antennas and Propagation Magazine</i> , <b>2006</b> , 48, 130-132	1.7	5
64	Radio frequency animal identification: electromagnetic analysis and experimental evaluation of the transponder-gate system. <i>International Journal of Radio Frequency Identification Technology and Applications</i> , <b>2006</b> , 1, 90		4
63	Dielectric ground plane design over bianisotropic media. <i>Journal of Computational Electronics</i> , <b>2006</b> , 5, 229-234	1.8	
62	Electromagnetic wave propagation in rectangular waveguides filled with Omega-medium. <i>Journal of Modern Optics</i> , <b>2005</b> , 52, 1293-1308	1.1	
61	Efficient numerical evaluation of superconducting microstrip structures with bianisotropic layers. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2004</b> , 19, 15-18	0.4	5

60	Analysis of Cavity-Backed Antennas with Chiral Substrates and Superstrate Using the Finite Element Method. <i>Electromagnetics</i> , <b>2004</b> , 24, 3-12	0.8	2
59	Advanced Electromagnetic Modelling of Multilayer Monolithic Microwave Integrated Circuit. <i>Journal of Computational Electronics</i> , <b>2003</b> , 2, 469-473	1.8	
58	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 2869-2877	4.9	2
57	Fast ray-tracing technique for electromagnetic field prediction in mobile communications. <i>IEEE Transactions on Magnetics</i> , <b>2003</b> , 39, 1238-1241	2	14
56	Radiation and scattering features of patch antennas with bianisotropic substrates. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 449-456	4.9	17
55	FEM-BEM formulation for the analysis of cavity-backed patch antennas on chiral substrates. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 306-311	4.9	14
54	The method of lines for mutual coupling analysis of a finite array of patch antennas on a cylindrical stratified structure. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 1907-1913	4.9	2
53	Propagation characteristics of a plane wave in an unbounded nonlocal omega medium. <i>Microwave and Optical Technology Letters</i> , <b>2002</b> , 32, 183-186	1.2	
52	Numerical analysis of uniform rectangular waveguides filled by inhomogeneous dielectrics. <i>Microwave and Optical Technology Letters</i> , <b>2002</b> , 34, 313-316	1.2	1
51	A novel design method for Blass matrix beam-forming networks. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 225-232	4.9	49
50	Design of Inhomogeneous Slabs for Filtering Applications Via Closed Form Solutions of the Reflection Coefficient. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2002</b> , 16, 1233-1254	1.3	5
49	A new efficient method of analysis for inhomogeneous media shields and filters. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2001</b> , 43, 394-399	2	30
48	Tapered stripline embedded in inhomogeneous media as microwave matching line. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2001</b> , 49, 970-978	4.1	3
47	Broad-Band U-Slot Patch Antennas Loaded By Chiral Material. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2001</b> , 15, 1303-1317	1.3	10
46	Scattering properties of patch antennas loaded with inhomogeneous substrates via a combined spectral domain-moment method. <i>Journal of Modern Optics</i> , <b>2001</b> , 48, 425-438	1.1	
45	Analysis of printed-circuit antennas with chiral substrates with the method of lines. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2001</b> , 49, 48-54	4.9	5
44	Analysis of cavity backed rectangular patch antennas with inhomogeneous chiral substrates via a FEM-BEM formulation. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 3260-3263	2	4
43	Scattering properties of patch antennas loaded with inhomogeneous substrates via a combined spectral domain-moment method. <i>Journal of Modern Optics</i> , <b>2001</b> , 48, 425-438	1.1	3

42	A novel design method for tapered strip lines as microwave filters. <i>Microwave and Optical Technology Letters</i> , <b>2000</b> , 24, 67-71	1.2	2
41	Mutual coupling between two circular patch antennas integrated in an inhomogeneous grounded slab. <i>Microwave and Optical Technology Letters</i> , <b>2000</b> , 25, 294-297	1.2	1
40	Properties of inhomogeneous materials for microwave radiation components <b>2000</b> , 4097, 85		
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