Alessandro Toscano

List of Publications by Year
in descending order

309	4,699	101384	128067
papers	citations	36 h-index	60 g-index

312	312	312	2299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of Spiral and Multiple Split-Ring Resonators for the Realization of Miniaturized Metamaterial Samples. IEEE Transactions on Antennas and Propagation, 2007, 55, 2258-2267.	3.1	302
2	Equivalent-Circuit Models for the Design of Metamaterials Based on Artificial Magnetic Inclusions. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2865-2873.	2.9	224
3	Overcoming Mutual Blockage Between Neighboring Dipole Antennas Using a Low-Profile Patterned Metasurface. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1414-1417.	2.4	145
4	CIRCULAR POLARIZED PATCH ANTENNA GENERATING ORBITAL ANGULAR MOMENTUM. Progress in Electromagnetics Research, 2014, 148, 23-30.	1.6	138
5	Phase-Induced Frequency Conversion and Doppler Effect With Time-Modulated Metasurfaces. IEEE Transactions on Antennas and Propagation, 2020, 68, 1607-1617.	3.1	135
6	Anisotropic Mantle Cloaks for TM and TE Scattering Reduction. IEEE Transactions on Antennas and Propagation, 2015, 63, 1775-1788.	3.1	126
7	Mantle cloaking for co-site radio-frequency antennas. Applied Physics Letters, 2016, 108, .	1.5	109
8	Broadband Compact Horn Antennas by Using EPS-ENZ Metamaterial Lens. IEEE Transactions on Antennas and Propagation, 2013, 61, 2929-2937.	3.1	100
9	Controlling Scattering and Absorption With Metamaterial Covers. IEEE Transactions on Antennas and Propagation, 2014, 62, 4220-4229.	3.1	87
10	Dual-Polarized Reduction of Dipole Antenna Blockage Using Mantle Cloaks. IEEE Transactions on Antennas and Propagation, 2015, 63, 4827-4834.	3.1	85
11	Doppler cloak restores invisibility to objects in relativistic motion. Physical Review B, 2017, 95, .	1.1	83
12	Design of Miniaturized Narrowband Absorbers Based on Resonant-Magnetic Inclusions. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 63-72.	1.4	82
13	A novel design method for Blass matrix beam-forming networks. IEEE Transactions on Antennas and Propagation, 2002, 50, 225-232.	3.1	78
14	Horn Antennas With Integrated Notch Filters. IEEE Transactions on Antennas and Propagation, 2015, 63, 781-785.	3.1	69
15	Design of a Non-Foster Actively Loaded SRR and Application in Metamaterial-Inspired Components. IEEE Transactions on Antennas and Propagation, 2013, 61, 1219-1227.	3.1	67
16	Waveform-Selective Mantle Cloaks for Intelligent Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 1717-1725.	3.1	66
17	Temporal multilayer structures for designing higher-order transfer functions using time-varying metamaterials. Applied Physics Letters, 2021, 118, .	1.5	66
18	Optical cloaking of cylindrical objects by using covers made of coreâ€“shell nanoparticles. Optics Letters, 2011, 36, 4479.	1.7	59

#	Article	IF	Citations
19	Multiband and Wideband Bilayer Mantle Cloaks. IEEE Transactions on Antennas and Propagation, 2015, 63, 3235-3240.	3.1	59
20	Metasurfaces 3.0: A New Paradigm for Enabling Smart Electromagnetic Environments. IEEE Transactions on Antennas and Propagation, 2022, 70, 8883-8897.	3.1	59
21	A Combined Bandpass Filter and Polarization Transformer for Horn Antennas. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1065-1068.	2.4	58
22	Nonreciprocity in Antenna Radiation Induced by Space-Time Varying Metamaterial Cloaks. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1968-1972.	2.4	55
23	Dynamic Beam Steering With Reconfigurable Metagratings. IEEE Transactions on Antennas and Propagation, 2020, 68, 1542-1552.	3.1	52
24	Nonreciprocal Horn Antennas Using Angular Momentum-Biased Metamaterial Inclusions. IEEE Transactions on Antennas and Propagation, 2015, 63, 5593-5600.	3.1	51
25	Satellite Applications of Electromagnetic Cloaking. IEEE Transactions on Antennas and Propagation, 2017, 65, 4931-4934.	3.1	51
26	Dynamic LOS/NLOS Statistical Discrimination of Wireless Mobile Channels. IEEE Vehicular Technology Conference, 2007, , .	0.2	49
27	Possible implementation of epsilon-near-zero metamaterials working at optical frequencies. Optics Communications, 2012, 285, 3412-3418.	1.0	49
28	Light propagation through metamaterial temporal slabs: reflection, refraction, and special cases. Optics Letters, 2020, 45, 5836.	1.7	49
29	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.	1.0	46
30	Optical invisibility through metasurfaces made of plasmonic nanoparticles. Journal of Applied Physics, 2015, 117, .	1.1	44
31	A NEW ACCURATE MODEL OF HIGH-IMPEDANCE SURFACES CONSISTING OF CIRCULAR PATCHES. Progress in Electromagnetics Research M, 2011, 21, 1-17.	0.5	43
32	Nonlinear Mantle Cloaking Devices for Power-Dependent Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1727-1730.	2.4	42
33	Self-Filtering Low-Noise Horn Antenna for Satellite Applications. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 354-357.	2.4	41
34	A Topological Design Tool for the Synthesis of Antenna Radiation Patterns. IEEE Transactions on Antennas and Propagation, 2020, 68, 1851-1859.	3.1	41
35	Surface Impedance Modeling of All-Dielectric Metasurfaces. IEEE Transactions on Antennas and Propagation, 2020, 68, 1799-1811.	3.1	38
36	Scattering Manipulation and Camouflage of Electrically Small Objects through Metasurfaces. Physical Review Applied, 2017, 7, .	1.5	37

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37	A new efficient method of analysis for inhomogeneous media shields and filters. IEEE Transactions on Electromagnetic Compatibility, 2001, 43, 394-399.	1.4	36
38	Design of a multifunctional SRR-loaded printed monopole antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 552-557.	0.8	36
39	EXPLOITING THE TOPOLOGICAL ROBUSTNESS OF COMPOSITE VORTICES IN RADIATION SYSTEMS. Progress in Electromagnetics Research, 2018, 162, 39-50.	1.6	36
40	Patch Antenna Generating Structured Fields With a MÃ¶bius Polarization State. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1345-1348.	2.4	35
41	Efficient and wideband horn nanoantenna. Optics Letters, 2011, 36, 1743.	1.7	34
42	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.	3.1	34
43	Exploiting the surface dispersion of nanoparticles to design optical-resistive sheets and Salisbury absorbers. Optics Letters, 2016, 41, 3383.	1.7	33
44	Spectral electromagnetic modeling of a planar integrated structure with a general grounded anisotropic slab. IEEE Transactions on Antennas and Propagation, 1993, 41, 362-370.	3.1	31
45	Progress and perspective on advanced cloaking metasurfaces: from invisibility to intelligent antennas. EPJ Applied Metamaterials, 2021, 8, 7.	0.8	31
46	Electromagnetic Isolation Induced by Time-Varying Metasurfaces: Nonreciprocal Bragg Grating. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1886-1890.	2.4	31
47	Full-wave analysis of planar stratified media with inhomogeneous layers. IEEE Transactions on Antennas and Propagation, 2000, 48, 631-633.	3.1	30
48	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.	3.1	29
49	Recent Trends in the World Gas Market: Economical, Geopolitical and Environmental Aspects. Sustainability, 2016, 8, 154.	1.6	29
50	Tunable scattering cancellation cloak with plasmonic ellipsoids in the visible. Physical Review B, 2016, 93, .	1.1	29
51	Intelligence Enabled by 2D Metastructures in Antennas and Wireless Propagation Systems. IEEE Open Journal of Antennas and Propagation, 2022, 3, 135-153.	2.5	29
52	Accurate Directionâ€“ofâ€“Arrival Estimation Method Based on Spaceâ€“Time Modulated Metasurface. IEEE Transactions on Antennas and Propagation, 2022, 70, 10951-10964.	3.1	29
53	Radiation and scattering features of patch antennas with bianisotropic substrates. IEEE Transactions on Antennas and Propagation, 2003, 51, 449-456.	3.1	28
54	Exploiting Intrinsic Dispersion of Metamaterials for Designing Broadband Aperture Antennas: Theory and Experimental Verification. IEEE Transactions on Antennas and Propagation, 2016, 64, 1141-1146.	3.1	28

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55	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.	1.0	27
56	Design of cloaked Yagi-Uda antennas. EPJ Applied Metamaterials, 2016, 3, 10.	0.8	26
57	Very fast design formulas for microwave nonhomogeneous media filters. Microwave and Optical Technology Letters, 1999, 22, 218-221.	0.9	25
58	Inhomogeneous layered planar structures: an analysis of reflection coefficient. IEEE Transactions on Magnetics, 1998, 34, 2771-2774.	1.2	24
59	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.	0.5	24
60	Novel waveguide components based on complementary electrically small resonators. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 284-290.	1.0	24
61	Waveguide Components and Aperture Antennas With Frequency- and Time-Domain Selectivity Properties. IEEE Transactions on Antennas and Propagation, 2020, 68, 7196-7201.	3.1	24
62	INDUCTIVE TRI-BAND DOUBLE ELEMENT FSS FOR SPACE APPLICATIONS. Progress in Electromagnetics Research C, 2011, 18, 87-101.	0.6	23
63	Optical Scattering Cancellation through Arrays of Plasmonic Nanoparticles: A Review. Photonics, 2015, 2, 540-552.	0.9	23
64	Balanced and unbalanced waveguide power splitters based on connected biâ€omega particles. Electronics Letters, 2013, 49, 1504-1506.	0.5	22
65	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.	0.5	22
66	Core-Shell Super-Spherical Nanoparticles for LSPR-Based Sensing Platforms. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 380-387.	1.9	22
67	FEM-BEM formulation for the analysis of cavity-backed patch antennas on chiral substrates. IEEE Transactions on Antennas and Propagation, 2003, 51, 306-311.	3.1	21
68	Angular Momentum-biased metamaterials for filtering waveguide components and antennas with non-reciprocal behavior. , 2014, , .		21
69	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.	0.9	21
70	Fast ray-tracing technique for electromagnetic field prediction in mobile communications. IEEE Transactions on Magnetics, 2003, 39, 1238-1241.	1.2	20
71	Design of a Waveguide Diplexer Based on Connected Bi-Omega Particles. IEEE Microwave and Wireless Components Letters, 2012, 22, 126-128.	2.0	20
72	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.	0.5	20

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73	Multi-Layered Coating Metasurfaces Enabling Frequency Reconfigurability in Wire Antenna. IEEE Open Journal of Antennas and Propagation, 2022, 3, 206-216.	2.5	20
74	Design and experimental validation of dualâ€band circularly polarised horn filtenna. Electronics Letters, 2017, 53, 641-642.	0.5	19
75	Filtering Chiral Particle for Rotating the Polarization State of Antennas and Waveguides Components. IEEE Transactions on Antennas and Propagation, 2017, 65, 1468-1471.	3.1	19
76	Single patch antenna generating electromagnetic field with orbital angular momentum. , 2013, , .		18
77	VARYING THE OPERATION BANDWIDTH OF METAMATERIAL-INSPIRED FILTERING MODULES FOR HORN ANTENNAS. Progress in Electromagnetics Research C, 2015, 58, 61-68.	0.6	18
78	Narrowband transparent absorbers based on ellipsoidal nanoparticles. Applied Optics, 2017, 56, 7533.	0.9	18
79	Design of High-Q Passband Filters Implemented Through Multipolar All-Dielectric Metasurfaces. IEEE Transactions on Antennas and Propagation, 2021, 69, 5142-5147.	3.1	18
80	Metasurface-bounded open cavities supporting virtual absorption: free-space energy accumulation in lossless systems. Optics Letters, 2020, 45, 3147.	1.7	18
81	Analysis of microstrip antennas using neural networks. IEEE Transactions on Magnetics, 1997, 33, 1414-1419.	1.2	17
82	Metasurface mantle cloak for antenna applications. , 2012, , .		16
83	Multibeam Scanning Antenna System Based on Beamforming Metasurface for Fast 5G NR Initial Access. IEEE Access, 2022, 10, 65982-65995.	2.6	15
84	Design of multi-layer mantle cloaks. , 2014, , .		14
85	Use of Mantle Cloaks to Increase Reliability of Satellite-to-Ground Communication Link. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2017, 2, 168-173.	1.4	14
86	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.	1.1	14
87	Towards Waveform-Selective Cloaking Devices Exploiting Circuit-Loaded Metasurfaces. , 2018, , .		14
88	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.	1.0	13
89	Novel characteristics of radiation patterns of a pseudochiral point-source antenna. Microwave and Optical Technology Letters, 1994, 7, 247-250.	0.9	12
90	Radial and asymptotic closed form representation of the spatial microstrip dyadic Green's function. Journal of Electromagnetic Waves and Applications, 1995, 9, 97-126.	1.0	12

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91	Linear-to-circular polarization transformer using electrically small antennas. , 2012, , .		12
92	Antenna Arrays Emulate Metamaterial-Based Carpet Cloak Over a Wide Angular and Frequency Bandwidth. IEEE Transactions on Antennas and Propagation, 2018, 66, 2346-2353.	3.1	12
93	Restoring the radiating performances of shortened horn antennas over a broad frequency range. , 2013, , .		11
94	Metasurface virtual absorbers: unveiling operative conditions through equivalent lumped circuit model. EPJ Applied Metamaterials, 2021, 8, 3.	0.8	11
95	Broad-Band U-Slot Patch Antennas Loaded By Chiral Material. Journal of Electromagnetic Waves and Applications, 2001, 15, 1303-1317.	1.0	10
96	Sustainable Acoustic Metasurfaces for Sound Control. Sustainability, 2016, 8, 107.	1.6	10
97	Antenna-based carpet cloak: A possible frequency and angular broadband cloaking technique. , 2016, , .		10
98	Advancements in Doppler cloak technology: Manipulation of Doppler Effect and invisibility for moving objects. , 2016, , .		10
99	Efficient energy transfer through a bifilar metamaterial line connecting microwave waveguides. Journal of Applied Physics, 2017, 121, .	1.1	10
100	Metasurface-based Doppler cloaks: Time-varying metasurface profile to achieve perfect frequency mixing. , 2018, , .		10
101	Exploiting Electromagnetic Cloaking to Design Compact Nanosatellite Systems. , 2018, , .		10
102	Exponentially tapered non-uniform transmission lines. IEEE Transactions on Magnetics, 1997, 33, 1492-1495.	1.2	9
103	A New Stripline High Pass Filter Layout. Journal of Electromagnetic Waves and Applications, 2000, 14, 423-439.	1.0	9
104	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.	1.2	9
105	Symmetrical Coupled Microstrip Lines With Epsilon Negative Metamaterial Loading. IEEE Transactions on Magnetics, 2009, 45, 1182-1185.	1.2	9
106	Electrical and radiation properties of a horn nano-antenna at near infrared frequencies. , 2011, , .		9
107	PERMITTIVITY OF SUB-SOIL MATERIALS RETRIEVED THROUGH TRANSMISSION LINE MODEL AND GPR DATA. Progress in Electromagnetics Research, 2015, 151, 65-72.	1.6	9
108	Metasurface-based anti-reflection coatings at optical frequencies. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td	1.0	9

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109	The Design of Optical Circuit-Analog Absorbers through Electrically Small Nanoparticles. Photonics, 2019, 6, 26.	0.9	9
110	Non-linear Mantle Cloaks for Self-Configurable Power-Dependent Phased Arrays. , 2020, , .		9
111	Scattering properties of antennas residing in cavities filled by inhomogeneous materials via a variational formulation. Journal of Modern Optics, 1999, 46, 1995-2005.	0.6	8
112	Analysis of printed-circuit antennas with chiral substrates with the method of lines. IEEE Transactions on Antennas and Propagation, 2001, 49, 48-54.	3.1	8
113	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.	0.5	8
114	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, , .	0.0	7
115	Mantle cloak devices for TE and TM polarizations. , 2013, , .		7
116	Achieving PMC boundary conditions through metamaterials. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 1876-1890.	0.5	7
117	Robustness of Acoustic Scattering Cancellation to Parameter Variations. Sustainability, 2014, 6, 4416-4425.	1.6	7
118	Power-selectivity horn filtenna loaded with a nonlinear SRR. , 2015, , .		7
119	On the Topological Robustness of Vortex Modes at Microwave Frequencies. Radioengineering, 2019, 27, 499-504.	0.3	7
120	Perfect matching of reactive-loaded transmission lines through complex excitation. , 2020, , .		7
121	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.	0.9	6
122	A generalized Smith chart for an exponential tapered nonuniform transmission line. Microwave and Optical Technology Letters, 1997, 14, 36-39.	0.9	6
123	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.	1.0	6
124	Evaluation of the resonant frequencies and bandwidth in microstrip antennas with a chiral grounded slab. International Journal of Electronics, 1996, 81, 671-676.	0.9	5
125	Electromagnetic plane wave scattering by large and finite strip array on dielectric slab. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 209-218.	1.6	5
126	Microstrip Disk Antennas With Inhomogeneous Artificial Dielectrics. Journal of Electromagnetic Waves and Applications, 2000, 14, 1203-1227.	1.0	5

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127	Tapered stripline embedded in inhomogeneous media as microwave matching line. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 970-978.	2.9	5
128	Efficient numerical evaluation of superconducting microstrip structures with bianisotropic layers. International Journal of Applied Electromagnetics and Mechanics, 2004, 19, 15-18.	0.3	5
129	Rome 2006: Third Workshop on "Metamaterials and Special Materials for Electromagnetic Applications and TLC". IEEE Antennas and Propagation Magazine, 2006, 48, 130-132.	1.2	5
130	Design of a waveguide power splitter based on the employment of biâ€omega resonators. Microwave and Optical Technology Letters, 2012, 54, 2091-2095.	0.9	5
131	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.	0.5	5
132	Signal manipulation through horn antennas loaded with metamaterial-inspired particles: A review. EPJ Applied Metamaterials, 2015, 2, 5.	0.8	5
133	Experimental verification of broadband antennas loaded with metamaterials. , 2015, , .		5
134	A System-by-Design approach for the synthesis of multi-layer mantle cloaks. , 2015, , .		5
135	Spatio-temporal modulated Doppler cloak for antenna matching at relativistic velocity. , 2017, , .		5
136	Spatio-temporal modulated doppler cloak restores invisibility of moving cloaked objects. , 2017, , .		5
137	Metasurface-Based Radar Jammers and Deceptors Implemented Through Time-Varying Metasurfaces. , 2020, , .		5
138	Overcoming Mantle Cloaking Limits in Antenna Applications through Non-Linear Metasurfaces. , 2020, , .		5
139	Maximizing the forward scattering of dielectric nanoantennas through surface impedance coatings. Optics Letters, 2022, 47, 2386.	1.7	5
140	Electromagnetic field computation in planar integrated structures with a biaxial grounded slab. IEEE Transactions on Magnetics, 1993, 29, 1726-1729.	1.2	4
141	Generalized Reflection Coefficient for Non Uniform Transmission Lines. Journal of Electromagnetic Waves and Applications, 2000, 14, 945-959.	1.0	4
142	Analysis of cavity backed rectangular patch antennas with inhomogeneous chiral substrates via a FEM-BEM formulation. IEEE Transactions on Magnetics, 2001, 37, 3260-3263.	1.2	4
143	Design of a non-foster actively loaded metamaterial-inspired antenna. , 2012, , .		4
144	Design and simulations of dual-polarized mantle cloaking devices. , 2013, , .		4

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145	Wireless monitoring of heterogeneous parameters in complex museum scenario. , 2014, , .		4
146	Doppler cloaking based on time-varying metamaterials: Theory and design. , 2018, , .		4
147	Scattering-free energy storage in open cavities bounded by metasurfaces. , 2020, , .		4
148	Scattering properties of patch antennas loaded with inhomogeneous substrates via a combined spectral domain-moment method. Journal of Modern Optics, 2001, 48, 425-438.	0.6	4
149	Complex frequency excitation enabling perfect matching of reactive-loaded transmission lines. , 2020, , .		4
150	On the surface impedance modeling of metasurfaces composed of graphene-coated spherical nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 917.	0.9	4
151	Coating Metasurfaces Enabling Antenna Frequency Reconfigurability for Cognitive Radio System. , 2021, , .		4
152	Exponentially tapered nonuniform transmission lines for high-pass filter design. Microwave and Optical Technology Letters, 1997, 16, 227-229.	0.9	3
153	Shielding and radiation characteristics of planar layered inhomogeneous composites. IEEE Transactions on Antennas and Propagation, 2003, 51, 2869-2877.	3.1	3
154	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.	3.1	3
155	Design of a circular polarized horn filtenna using complementary electrically small resonators. , 2013, , .		3
156	A new tool for the retrieval of effective permittivity of ground by using a commercial GPR. , 2013, , .		3
157	System-by-design paradigm as applied to the synthesis of innovative field manipulation devices including task-oriented metamaterials. , 2014, , .		3
158	Mantle cloaking and related applications in antennas. , 2014, , .		3
159	Reciprocal and non-reciprocal signal manipulation through horn antennas loaded with metamaterial-inspired particles. , 2015, , .		3
160	Design and realization of MTM-inspired absorbers using graphite resistive sheets. AIP Conference Proceedings, 2015, , .	0.3	3
161	Van Atta arrays for realizing angular and frequency wideband carpet cloaks. , 2017, , .		3
162	Recent Developments in the Design of Waveform-Selective Mantle Cloaks for Antenna Applications. , 2018, , .		3

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163	Power-dependent invisibility devices for antenna arrays. , 2019, , .		3
164	An Anti-jamming and Anti-spoofing Digital Beamforming Platform for the GNSS-based ERTMS Train Control System. , 0, , .		3
165	Enhancing the Beam Scanning Capability of Phased Arrays Using Quadratic-Gradient Metasurface Dome. , 2021, , .		3
166	Radiated fields from an uniaxial anisotropic grounded slab fed by a pulse source. , 0, , .		2
167	Spectral electric green's dyad for a grounded bianisotropic slab fed by a three-dimensional point source. Microwave and Optical Technology Letters, 1994, 7, 448-450.	0.9	2
168	Radiation of an electric point-source in a homogeneous omega medium. Journal of the Franklin Institute, 1995, 332, 579-594.	1.9	2
169	Asymptotic closed-form representation of the spatial microstrip dyadic green's function. Microwave and Optical Technology Letters, 1995, 8, 103-106.	0.9	2
170	Input impedance of a chirostrip antenna. , 1995, , .		2
171	Isotropic-pseudochiral interface characteristics. Journal of Electromagnetic Waves and Applications, 1995, 9, 1045-1063.	1.0	2
172	Efficient moment-method analysis of a magnetic dipole. Microwave and Optical Technology Letters, 1996, 13, 335-339.	0.9	2
173	Electromagnetic field computation in planar integrated structures with a biisotropic chiral grounded slab. IEEE Transactions on Magnetics, 1997, 33, 1504-1507.	1.2	2
174	A novel design method for tapered strip lines as microwave filters. Microwave and Optical Technology Letters, 2000, 24, 67-71.	0.9	2
175	Scattering properties of patch antennas loaded with inhomogeneous substrates via a combined spectral domainmoment method. Journal of Modern Optics, 2001, 48, 425-438.	0.6	2
176	Numerical analysis of uniform rectangular waveguides filled by inhomogeneous dielectrics. Microwave and Optical Technology Letters, 2002, 34, 313-316.	0.9	2
177	Analysis of Cavity-Backed Antennas with Chiral Substrates and Superstrate Using the Finite Element Method. Electromagnetics, 2004, 24, 3-12.	0.3	2
178	Guest editorial for special issue on metamaterials and special materials for electromagnetic applications and telecommunications. Microwave and Optical Technology Letters, 2006, 48, 2481-2482.	0.9	2
179	Coupled microstriplines with ENG metamaterial loading: physical concepts, design formulas, and numerical simulations. , 2007, , .		2
180	Extracting power from sub-wavelength apertures by using electrically small resonators: Phenomenology, modeling, and applications. , 2012, , .		2

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181	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.	1.0	2
182	Metamaterial split-ring resonators for retrieval of soil electromagnetic properties. , 2013, , .		2
183	SRR-based notch filter for horn antennas. , 2014, , .		2
184	Conical horn antennas with enhanced functionalities through the use of metamaterial concepts. , 2014, , .		2
185	DESIGN OF A LOW-PROFILE ANTENNA BY USING ORTHOGONAL PARASITIC MEANDERED MONOPOLES. Progress in Electromagnetics Research Letters, 2015, 55, 23-29.	0.4	2
186	Exploiting topological singularities of vortex fields for shaping and rotating the radiation pattern of patch antennas. , 2017, , .		2
187	Invisible antennas for crowded radio platforms. , 2017, , .		2
188	Electromagnetic Cloaking for Antenna Arrays. , 2018, , .		2
189	Time-varying metamaterial Doppler cloak: applications to invisibility and antennas. , 2018, , .		2
190	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.	3.1	2
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