Francisco Medina

List of Publications by Year
in descending order

210 papers	6,282 citations	116194 36 h-index	84171 75 g-index
218 all docs	218 docs citations	218 times ranked	3841 citing authors

#	Article	IF	Citations
1	Systematic Obtaining of Fosterâ€™s Equivalent Circuits for Symmetric Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 1166-1177.	3.1	2
2	Glide Symmetry Applied to Printed Common-Mode Rejection Filters. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1198-1210.	2.9	5
3	Design of Broadband Aperture-Coupled Stacked Microstrip Antennas Using Second-Order Filter Theory. IEEE Transactions on Antennas and Propagation, 2022, 70, 5345-5356.	3.1	2
4	Design of a Differential Coupled-Line Directional Coupler Using a Double-Side Coplanar Waveguide Structure With Common-Signal Suppression. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1273-1281.	2.9	9
5	Guest Editorial: Method of analytical regularisation for new frontiers of applied electromagnetics. IET Microwaves, Antennas and Propagation, 2021, 15, 1127-1132.	0.7	12
6	Parametric Analysis of the Edge Capacitance of Uniform Slots and Application to Frequency-Variation Permittivity Sensors. Applied Sciences (Switzerland), 2021, 11, 7000.	1.3	13
7	On the Modeling of Microstrip Lines Loaded With Dumbbell Defect-Ground-Structure (DB-DGS) and Folded DB-DGS Resonators. IEEE Access, 2021, 9, 150878-150888.	2.6	13
8	Extraordinary Transmission and Radiation From Finite by Infinite Arrays of Slots. IEEE Transactions on Antennas and Propagation, 2020, 68, 581-586.	3.1	4
9	On the Excitation of Magnetic Current Surface Waves in Truncated Periodic Arrays of Slots Under Extraordinary Transmission Conditions. IEEE Access, 2020, 8, 158107-158114.	2.6	0
10	Planar Resonant Blazed Gratings From a Circuit Model Standpoint. IEEE Transactions on Antennas and Propagation, 2020, 68, 2765-2778.	3.1	14
11	Multilayered Balanced Dual-Band Bandpass Filter Based on Magnetically Coupled Open-Loop Resonators with Intrinsic Common-Mode Rejection. Applied Sciences (Switzerland), 2020, 10, 3113.	1.3	5
12	Roadmap on metasurfaces. Journal of Optics (United Kingdom), 2019, 21, 073002.	1.0	146
13	NUFFT for the Efficient Spectral Domain MoM Analysis of a Wide Variety of Multilayered Periodic Structures. IEEE Transactions on Antennas and Propagation, 2019, 67, 6551-6563.	3.1	6
14	Compact balanced dualâ€band bandpass filter with magnetically coupled embedded resonators. IET Microwaves, Antennas and Propagation, 2019, 13, 492-497.	0.7	13
15	Derivation of Circuit Models with Canonical Topology for Frequency Selective Surfaces with Multiple Resonances. , 2019, , .		0
16	Circuit Models for Stacked Planar Periodic Structures. , 2019, , .		0
17	Compact Balanced-to-Balanced Diplexer Based on Split-Ring Resonators Balanced Bandpass Filters. IEEE Microwave and Wireless Components Letters, 2018, 28, 218-220.	2.0	23
18	Resonant Modes of a Waveguide Iris Discontinuity: Interpretation in Terms of Canonical Circuits. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2059-2069.	2.9	16

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19	Balanced-to-Balanced Microstrip Diplexer Based on Magnetically Coupled Resonators. IEEE Access, 2018, 6, 18536-18547.	2.6	22
20	Circuit Modeling of Electromagnetically Induced Reflection by Multiple Slits on a Metallic Screen. , 2018, , .		0
21	Efficient Hybrid Full-Wave/Circuital Approach for Stacks of Frequency Selective Surfaces. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1925-1929.	2.4	5
22	Circuit Models for Printed Multiresonant FSSs. , 2018, , .		0
23	Physically-insightful equivalent circuit models for electromagnetic periodic structures. Journal of Physics: Conference Series, 2018, 963, 012010.	0.3	1
24	Unlocking Complexity Using the ECA: The Equivalent Circuit Model as An Efficient and Physically Insightful Tool for Microwave Engineering. IEEE Microwave Magazine, 2018, 19, 44-65.	0.7	34
25	On the Computation of the Dispersion Diagram of Symmetric One-Dimensionally Periodic Structures. Symmetry, 2018, 10, 307.	1.1	37
26	Differential Lines for Common-Mode Suppression Based in Hybrid Microstrip/CPW Technology. IEEE Microwave and Wireless Components Letters, 2017, 27, 13-15.	2.0	23
27	Wideband analytical equivalent circuit for coupled asymmetrical nonaligned slit arrays. Physical Review E, 2017, 95, 023303.	0.8	14
28	Design of a wide-angle, polarization-insensitive, dual-band metamaterial-inspired absorber with the aid of equivalent circuit model. Journal of Computational Electronics, 2017, 16, 913-921.	1.3	10
29	The Beauty of Symmetry: Common-Mode Rejection Filters for High-Speed Interconnects and Band Microwave Circuits. IEEE Microwave Magazine, 2017, 18, 42-55.	0.7	24
30	Compact Balanced Dual-Band Bandpass Filter Based on Modified Coupled-Embedded Resonators. IEEE Microwave and Wireless Components Letters, 2017, 27, 31-33.	2.0	43
31	Theoretical and experimental exploration of finite sample size effects on the propagation of surface waves supported by slot arrays. Physical Review B, 2017, 95, .	1.1	14
32	Comparative study between resonant transmission and extraordinary transmission in truncated periodic arrays of slots. , 2017, , .		2
33	Circuit and Analytical Modelling of Extraordinary Transmission Metamaterials. World Scientific Series in Nanoscience and Nanotechnology, 2017, , 139-198.	0.1	0
34	A new differential line based on a periodic microstrip-CPW hybrid structure. , 2017, , .		2
35	Transmission control in compound-grating structures using equivalent circuits. , 2017, , .		0
36	Equivalent circuit for double annular aperture frequency selective surfaces. , 2017, , .		2

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37	Annular Apertures in Metallic Screens as Extraordinary Transmission and Frequency Selective Surface Structures. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4933-4946.	2.9	20
38	On the limitations of equivalent circuits for the modeling of periodic structures. , 2017, , .		1
39	Accurate circuit model for a planar resonant blazed grating. , 2017, , .		6
40	On the extraordinary optical transmission in parallel plate waveguides for non-TEM modes. Optics Express, 2017, 25, 24670.	1.7	8
41	Dispersion of surface waves supported by truncated metasurfaces. , 2017, , .		0
42	Analytical and highly efficient numerical modeling of electromagnetic periodic structures. , 2016, , .		0
43	Analytical modeling of non-symmetric and non-uniform compound gratings. , 2016, , .		1
44	Electrothermal MEMS parallel plate rotation for single-imager stereoscopic endoscopes. Optics Express, 2016, 24, 9667.	1.7	12
45	Making metals transparent: a circuit model approach. Optics Express, 2016, 24, 10265.	1.7	4
46	Equivalent admittance approach for the scattering of patch/slot-based frequency selective surfaces. , 2016, , .		0
47	Accurate circuit models for the analysis of stacked metal gratings. , 2016, , .		0
48	Discrete and continuous spectrum analysis: An alternative perspective on subwavelength imaging. , 2016, , .		0
49	Design of a dual-band metamaterial absorber in WLAN bands with high stability over incidence angle and polarization. , 2016, , .		4
50	Computationally efficient analysis of extraordinary optical transmission through infinite and truncated subwavelength hole arrays. Physical Review E, 2016, 93, 063312.	0.8	23
51	Wideband analytical equivalent circuit for one-dimensional periodic stacked arrays. Physical Review E, 2016, 93, 013306.	0.8	22
52	Discrete and continuous spectrum in subwavelength imaging with wire-medium type lenses. , 2016, , .		0
53	Balanced bandpass filter based on magnetically coupled coplanar waveguide foldedâ€stepped impedance resonators. Electronics Letters, 2016, 52, 1229-1231.	0.5	19
54	Excitation of Discrete and Continuous Spectrum in Subdiffraction Wire-Medium Type Lenses. IEEE Transactions on Antennas and Propagation, 2016, 64, 5208-5219.	3.1	1

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55	Pseudo-analytical circuits for dual-polarized FSS. , 2016, , .		1
56	Dynamical Equivalent Circuit for 1-D Periodic Compound Gratings. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1195-1208.	2.9	26
57	Simplified Modal Expansion to Analyze Frequency-Selective Surfaces: An Equivalent Circuit Approach. IEEE Transactions on Antennas and Propagation, 2016, 64, 1106-1111.	3.1	35
58	Accurate Circuit Modeling of Fishnet Structures for Negative-Index-Medium Applications. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 15-26.	2.9	24
59	Simple and Compact Balanced Bandpass Filters Based on Magnetically Coupled Resonators. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1843-1853.	2.9	52
60	Circuit-Model Analysis of Frequency Selective Surfaces With Scatterers of Arbitrary Geometry. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 135-138.	2.4	30
61	Wideband equivalent circuit for non-aligned 1-D periodic metal strips coupled gratings. , 2015, , .		1
62	Circuit model for FSS structures under conical oblique incidence. , 2015, , .		0
63	Non-Uniform Sinusoidally Modulated Half-Mode Leaky-Wave Lines for Near-Field Focusing Pattern Synthesis. IEEE Transactions on Antennas and Propagation, 2015, 63, 1022-1031.	3.1	57
64	Compact Balanced FSIR Bandpass Filter Modified for Enhancing Common-Mode Suppression. IEEE Microwave and Wireless Components Letters, 2015, 25, 154-156.	2.0	25
65	Ultra-Compact (80 <formula formulatype="inline"> <tex) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 Td (Notation="Tex"[illegible] (UWB) Bandpass Filters With Common-Mode Noise Suppression. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1272-1280.	2.9	30
66	Analytical Multimodal Network Approach for 2-D Arrays of Planar Patches/Apertures Embedded in a Layered Medium. IEEE Transactions on Antennas and Propagation, 2015, 63, 1969-1984.	3.1	65
67	Modeling of Nonresonant Longitudinal and Inclined Slots for Resonance Tuning in ENZ Waveguide Structures. IEEE Transactions on Antennas and Propagation, 2015, 63, 5107-5113.	3.1	9
68	Commonâ€mode suppression for balanced bandpass filters in multilayer liquid crystal polymer technology. IET Microwaves, Antennas and Propagation, 2015, 9, 1249-1253.	0.7	15
69	Analysis and design of controllable leaky-wave antennas inspired by Prof. Arthur Oliner a tribute to Prof. Oliner. , 2014, , .		1
70	Recent progress on FSS and extraordinary transmission analytical modeling. , 2014, , .		0
71	Metasurfaces for angular filtering and beam scanning. , 2014, , .		3
72	Tuning ZOR in ENZ waveguide using a single longitudinal slot and equivalent circuit parameter extraction. , 2014, , .		2

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73	Efficient network representation of grounded patch-based FSS. , 2014, , .		0
74	Analytical circuit model for stacked slit gratings. , 2014, , .		4
75	Analytical Circuit Model for 1-D Periodic T-Shaped Corrugated Surfaces. IEEE Transactions on Antennas and Propagation, 2014, 62, 794-803.	3.1	20
76	Compact Dual-Band Differential Power Splitter With Common-Mode Suppression and Filtering Capability Based on Differential-Mode Composite Right/Left-Handed Transmission-Line Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 536-539.	2.4	14
77	Effects of inter-resonator coupling in split ring resonator loaded metamaterial transmission lines. Journal of Applied Physics, 2014, 115, .	1.1	15
78	Enhanced Modelling of Split-Ring Resonators Couplings in Printed Circuits. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1605-1615.	2.9	38
79	Self-Complementary Metasurface for Designing Narrow Band Pass/Stop Filters. IEEE Microwave and Wireless Components Letters, 2013, 23, 291-293.	2.0	62
80	Differential bandpass filters with common-mode suppression based on stepped impedance resonators (SIRs). , 2013, , .		12
81	Closed-form expressions for modeling diffraction at printed dipole-based FSS. , 2013, , .		0
82	Spatial Angular Filtering by FSSs Made of Chains of Interconnected SRRs and CSRRs. IEEE Microwave and Wireless Components Letters, 2013, 23, 477-479.	2.0	30
83	Analytical circuit model for dipole frequency-selective surfaces. , 2013, , .		8
84	Differential Bandpass Filter With Common-Mode Suppression Based on Open Split Ring Resonators and Open Complementary Split Ring Resonators. IEEE Microwave and Wireless Components Letters, 2013, 23, 22-24.	2.0	62
85	Dual capacitive-inductive nature of periodic graphene patches: Transmission characteristics at low-terahertz frequencies. Physical Review B, 2013, 87, .	1.1	111
86	Analytical circuit modeling of 1D and 2D planar metal gratings embedded in stratified dielectric structures. , 2013, , .		0
87	Dual capacitive-inductive nature of graphene metasurface: Transmission characteristics at low-terahertz frequencies. , 2013, , .		3
88	Complex modes in periodic transmission lines based on split rings. , 2013, , .		3
89	Metasurfaces made of transmission lines: A way to spatial filtering. , 2013, , .		3
90	DUAL-BAND DIFFERENTIAL FILTER USING BROADBAND COMMON-MODE REJECTION ARTIFICIAL TRANSMISSION LINE. Progress in Electromagnetics Research, 2013, 139, 779-797.	1.6	38

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91	Transmission through stacked 2D periodic distributions of square conducting patches. Journal of Applied Physics, 2012, 112, 033101.	1.1	25
92	Low-terahertz transmissivity with a graphene-dielectric micro-structure. , 2012, , .		0
93	Simplified Circuit Model for Arrays of Metallic Dipoles Sandwiched Between Dielectric Slabs Under Arbitrary Incidence. IEEE Transactions on Antennas and Propagation, 2012, 60, 4637-4649.	3.1	35
94	Fully analytical circuit-like approach for the TE scattering by narrow-slit printed gratings. , 2012, , .		1
95	Common-Mode Suppression in Microstrip Differential Lines by Means of Complementary Split Ring Resonators: Theory and Applications. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3023-3034.	2.9	143
96	Analytical Wideband Model for Strip/Slit Gratings Loaded With Dielectric Slabs. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3908-3918.	2.9	63
97	Surface-impedance quasi-transverse electromagnetic approach for the efficient calculation of conductor losses in multilayer single and coupled microstrip lines. IET Microwaves, Antennas and Propagation, 2012, 6, 519.	0.7	2
98	Quasi-Analytical Modeling of Transmission/Reflection in Strip/Slit Gratings Loaded With Dielectric Slabs. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 405-418.	2.9	47
99	Generalized additional boundary conditions and analytical model for multilayered mushroom-type wideband absorbers. , 2012, , .		0
100	New Absorbing Boundary Conditions and Analytical Model for Multilayered Mushroom-Type Metamaterials: Applications to Wideband Absorbers. IEEE Transactions on Antennas and Propagation, 2012, 60, 5727-5742.	3.1	52
101	Multimode Propagation and Complex Waves in CSRR-Based Transmission-Line Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1024-1027.	2.4	20
102	Analytical model for TM scattering of 1-D narrow slit gratings loaded with dielectric slabs. , 2012, , .		0
103	Bandpass and bandstop filters based on open stubs with ground plane slots. Microwave and Optical Technology Letters, 2012, 54, 1242-1246.	0.9	0
104	Enhanced transmission with a graphene-dielectric microstructure at low-terahertz frequencies. Physical Review B, 2012, 85, .	1.1	126
105	Circuit approach for a general study of frequency selective surfaces. , 2011, , .		0
106	Equivalent circuits for conventional and extraordinary reflection in dipole arrays. , 2011, , .		1
107	Analytical modeling of compound metallic reflection gratings. , 2011, , .		0
108	Multi-band high-impedance surface absorbers with a single resistive sheet: Circuit theory model. , 2011, , .		0

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109	Analytical model for the transmission of electromagnetic waves through arrays of slits in perfect conductors and lossy metal screens. Journal of Applied Physics, 2011, 109, 103107.	1.1	26
110	A band-pass/stop filter made of SRRs and C-SRRs. , 2011, , .		7
111	Circuit modeling of multiband high-impedance surface absorbers in the microwave regime. Physical Review B, 2011, 84, .	1.1	53
112	Split rings-based differential transmission lines with common-mode suppression. , 2011, , .		4
113	Circuit model for a periodic array of slits sandwiched between two dielectric slabs. Applied Physics Letters, 2010, 96, .	1.5	25
114	Extraordinary Transmission Through Arrays of Slits: A Circuit Theory Model. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 105-115.	2.9	101
115	Study of Extraordinary Transmission in a Circular Waveguide System. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1532-1542.	2.9	19
116	Parallel coupled CPW filters for spurious band suppression. Microwave and Optical Technology Letters, 2010, 52, 1094-1097.	0.9	0
117	APPLICATION OF STUB LOADED FOLDED STEPPED IMPEDANCE RESONATORS TO DUAL BAND FILTERS. Progress in Electromagnetics Research, 2010, 102, 107-124.	1.6	71
118	DESIGN OF BAND-PASS FILTERS USING STEPPED IMPEDANCE RESONATORS WITH FLOATING CONDUCTORS. Progress in Electromagnetics Research, 2010, 105, 31-48.	1.6	21
119	Advances on circuit modeling of extraordinary transmission. , 2010, , .		0
120	Circuit modeling of the transmissivity of stacked two-dimensional metallic meshes. Optics Express, 2010, 18, 13309.	1.7	63
121	Broadband extraordinary transmission in a single sub-wavelength aperture. Optics Express, 2010, 18, 16946.	1.7	10
122	Microstrip circuit analog of a complex diffraction phenomenon. Applied Physics Letters, 2009, 95, 021108.	1.5	2
123	Analytical theory of stacked fish-net structures. , 2009, , .		0
124	Experimental verification of extraordinary transmission without surface plasmons. Applied Physics Letters, 2009, 95, .	1.5	34
125	Analytical theory of extraordinary transmission through metallic diffraction screens perforated by small holes. Optics Express, 2009, 17, 5571.	1.7	36
126	Analytical theory of wave propagation through stacked fishnet metamaterials. Optics Express, 2009, 17, 11582.	1.7	40

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127	Design of a dual band-pass filter using modified folded stepped-impedance resonators. , 2009, , .		8
128	Extraordinary Transmission as an Impedance-Matching Problem. , 2009, , .		0
129	Closed-Form Expressions of Multilayered Planar Green's Functions That Account for the Continuous Spectrum in the Far Field. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1601-1614.	2.9	42
130	Extraordinary Transmission Through Arrays of Electrically Small Holes From a Circuit Theory Perspective. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 3108-3120.	2.9	185
131	Extraordinary optical transmission phenomena to the light of microwave field theory. , 2008, , .		0
132	An Efficient Approach for the Computation of 2-D Green's Functions With 1-D and 2-D Periodicities in Homogeneous Media. IEEE Transactions on Antennas and Propagation, 2008, 56, 3733-3742.	3.1	24
133	Equivalent circuit model to explain extraordinary transmission. , 2008, , .		8
134	Extraordinary transmission through slits from a microwave engineering perspective. , 2008, , .		4
135	New closed form expressions for layered media green’s functions. , 2008, , .		1
136	Design of Wide-Band Semi-Lumped Bandpass Filters Using Open Split Ring Resonators. IEEE Microwave and Wireless Components Letters, 2007, 17, 28-30.	2.0	30
137	Application of Total Least Squares to the Derivation of Closed-Form Green's Functions for Planar Layered Media. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 268-280.	2.9	48
138	Solving the EFIE for printed layered structures with ferrite layers. , 2007, , .		0
139	Design of Compact Low-Pass Elliptic Filters Using Double-Sided MIC Technology. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 121-127.	2.9	17
140	Microstrip Coupled Line Filters with Spurious Band Suppression. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2007, 3, 948-950.	0.4	3
141	Low-pass Elliptic Filters Using Mixed Microstrip-CPW Technologies. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2007, 3, 997-999.	0.4	6
142	Numerical implementation of the mixed potential integral equation for planar structures with ferrite layers arbitrarily magnetized. Radio Science, 2006, 41, n/a-n/a.	0.8	2
143	Modal spectrum of planar dielectric waveguides with quasi-periodic side walls. Journal of Lightwave Technology, 2006, 24, 464-469.	2.7	1
144	Quasi-TM MoL/MoM approach for computing the transmission-line parameters of lossy lines. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 198-209.	2.9	25

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145	Closed-form Expressions for Layered Media Green's Functions That are Reliable Both in the Near Field and in the Far Field. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2006, 2, 573-575.	0.4	2
146	Appropriate formulation of the Characteristic equation for open nonreciprocal Layered waveguides with different upper and lower half-spaces. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 1613-1623.	2.9	21
147	Parallel coupled microstrip filters with floating ground-plane conductor for spurious-band suppression. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 1823-1828.	2.9	54
148	Experimental validation of analysis software for tunable microstrip filters on magnetized ferrites. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 1739-1744.	2.9	1
149	2D spectral-domain analysis of open laterally-shielded microstrip lines. International Journal of RF and Microwave Computer-Aided Engineering, 2005, 15, 86-91.	0.8	0
150	Compact coplanar waveguide band-pass filter at the S-band. Microwave and Optical Technology Letters, 2005, 46, 33-35.	0.9	16
151	Near-field enhanced imaging by a magnetized ferrite slab. Applied Physics Letters, 2005, 86, 023505.	1.5	8
152	Characteristics of aperture coupled microstrip antennas on magnetized ferrite substrates. IEEE Transactions on Antennas and Propagation, 2005, 53, 1957-1966.	3.1	4
153	Near-perfect tunneling and amplification of evanescent electromagnetic waves in a waveguide filled by a metamaterial: Theory and experiments. Physical Review B, 2005, 72, .	1.1	75
154	Quasi-TEM model of magnetostatic-surface wave excitation in microstrip lines. IEEE Microwave and Wireless Components Letters, 2004, 14, 516-518.	2.0	1
155	Numerical Computation of the Space-Domain Mixed Potential Green's Functions for Planar Layered Structures With Arbitrarily Magnetized Ferrites. IEEE Transactions on Antennas and Propagation, 2004, 52, 3019-3025.	3.1	6
156	Enhanced Implementation of the Complex Images Method to Study Bound and Leaky Regimes in Layered Planar Printed Lines. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 709-720.	2.9	12
157	Parallel Coupled Microstrip Filters With Ground-Plane Aperture for Spurious Band Suppression and Enhanced Coupling. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1082-1086.	2.9	111
158	Internodal Myelinated Segments: Delay and RGC Time-Domain Green Function Model. IEEE Transactions on Biomedical Engineering, 2004, 51, 389-391.	2.5	4
159	Artificial magnetic metamaterial design by using spiral resonators. Physical Review B, 2004, 69, .	1.1	367
160	Tunability and bandwidth of microstrip filters fabricated on magnetized ferrites. IEEE Microwave and Wireless Components Letters, 2004, 14, 171-173.	2.0	10
161	Systematic and efficient root finder for computing the modal spectrum of planar layered waveguides. International Journal of RF and Microwave Computer-Aided Engineering, 2004, 14, 73-83.	0.8	28
162	New Method for the Efficient Summation of Double Infinite Series Arising From the Spectral Domain Analysis of Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2004, 52, 1080-1094.	3.1	7

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163	Planar magnetoinductive wave transducers: Theory and applications. Applied Physics Letters, 2004, 85, 4439.	1.5	88
164	Two-dimensional study of leaky modes in microstrip line with a semi-infinite cover layer. Radio Science, 2004, 39, n/a-n/a.	0.8	1
165	A new LC series element for compact bandpass filter design. IEEE Microwave and Wireless Components Letters, 2004, 14, 210-212.	2.0	111
166	Full-wave analysis of the excitation of magnetostatic-surface waves by a semi-infinite microstrip transducer - theory and experiment. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 903-907.	2.9	8
167	Insertion loss of magnetostatic-surface wave transducers~transmission-line model and experiment. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2126-2132.	2.9	0
168	Applying the method of lines and discrete mode-matching method to non-planar structures. Microwave and Optical Technology Letters, 2003, 37, 79-83.	0.9	0
169	Theory of magnetoelectric multiconductor transmission lines with application to chiral and gyrotropic lines. Microwave and Optical Technology Letters, 2003, 38, 3-9.	0.9	5
170	Comparative analysis of edge- and broadside-coupled split ring resonators for metamaterial design - Theory and experiments. IEEE Transactions on Antennas and Propagation, 2003, 51, 2572-2581.	3.1	716
171	A new method for the computation of the insertion loss of magnetostatic-surface wave transducers. , 2003, , .		1
172	Radar cross section of stacked circular microstrip patches on anisotropic and chiral substrates. IEEE Transactions on Antennas and Propagation, 2003, 51, 1136-1139.	3.1	9
173	Fast and accurate algorithm for the short-pulse electromagnetic scattering from conducting circular plates buried inside a lossy dispersive half-space. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 988-997.	2.7	27
174	Comment on â€œElectromagnetic resonances in individual and coupled split-ring resonatorsâ€•[J. Appl. Phys. 92, 2929 (2002)]. Journal of Applied Physics, 2003, 94, 2770-2770.	1.1	5
175	MarquÃ©set al.Reply:. Physical Review Letters, 2003, 91, .	2.9	3
176	RESONANT MODES OF STACKED CIRCULAR MICROSTRIP PATCHES IN MULTILAYERED SUBSTRATES CONTAINING ANISOTROPIC AND CHIRAL MATERIALS. Journal of Electromagnetic Waves and Applications, 2003, 17, 619-640.	1.0	7
177	A new method for the computation of the insertion loss of magnetostatic-surface wave transducers. , 2003, , .		0
178	Role of bianisotropy in negative permeability and left-handed metamaterials. Physical Review B, 2002, 65, .	1.1	780
179	Left-Handed-Media Simulation and Transmission of EM Waves in Subwavelength Split-Ring-Resonator-Loaded Metallic Waveguides. Physical Review Letters, 2002, 89, 183901.	2.9	466
180	Treatment of singularities and quasi-static terms in the EFIE analysis of planar structures. IEEE Transactions on Antennas and Propagation, 2002, 50, 485-491.	3.1	5

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181	Full-wave analysis of a wide class of microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias magnetic field. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1510-1519.	2.9	16
182	2-D analysis of leakage in printed-circuit lines using discrete complex-images technique. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1895-1900.	2.9	13
183	Analysis of the propagation of leaky magnetostatic modes in normally magnetized microstrip and slot lines. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1935-1941.	2.9	0
184	Efficient evaluation of reaction integrals in the EFIE analysis of planar layered structures with uniaxial anisotropy. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2142-2146.	2.9	3
185	On the fast approximation of Green's functions in MPIE formulations for planar layered media. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2185-2192.	2.9	46
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