

Francisco Mesa

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.

242
papers

4,518
citations

34
h-index

58
g-index

319
ext. papers

5,556
ext. citations

3.3
avg, IF

5.58
L-index

#	Paper	IF	Citations
242	Efficient Bloch Analysis of General Periodic Structures with a Linearized Multimodal Transfer-Matrix Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
241	An Appraisal of Numerical Approaches for a VED over the Earth or Ocean. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	
240	Accidentally Swallowing a Toothbrush in a Patient during a Vomiting Attempt: Literature Review and Case Report.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	0
239	A New Comorbidity in Periodontitis: and Colorectal Cancer.. <i>Medicina (Lithuania)</i> , 2022 , 58,	3.1	1
238	Managing the Systemic Impact of Periodontitis. <i>Medicina (Lithuania)</i> , 2022 , 58, 621	3.1	2
237	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
236	Glide Symmetry Applied to Printed Common-Mode Rejection Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	1
235	Effects of Essential Oils and Selected Compounds from Lamiaceae Family as Adjutants on the Treatment of Subjects with Periodontitis and Cardiovascular Risk. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9563	2.6	0
234	Dispersion Analysis of Twist-Symmetric Dielectric Waveguides. <i>Photonics</i> , 2021 , 8, 206	2.2	1
233	Exploring the Potential of the Multi-Modal Equivalent Circuit Approach for Stacks of 2-D Aperture Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	6
232	Hyaluronic acid reduces inflammation and crevicular fluid IL-1 β concentrations in peri-implantitis: a randomized controlled clinical trial. <i>Journal of Periodontal and Implant Science</i> , 2021 , 51, 63-74	2	5
231	Systematic Obtaining of Foster Equivalent Circuits for Symmetric Frequency Selective Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0
230	. <i>IEEE Journal of Microwaves</i> , 2021 , 1, 457-469		14
229	Glide Symmetry to Improve the Bandgap Operation of Periodic Microstrip Defected Ground Structures 2021 ,		1
228	Cross-Polarization Control in FSSs by Means of an Equivalent Circuit Approach. <i>IEEE Access</i> , 2021 , 9, 995135-99525		
227	Anisotropic glide-symmetric substrate-integrated-hole metasurface for a compressed ultrawideband Luneburg lens. <i>Applied Physics Letters</i> , 2021 , 118, 084102	3.4	7
226	Structural and functional microbial patterns in cohabitating family members with history of periodontitis. <i>Oral Diseases</i> , 2021 ,	3.5	1

225	Fully Metallic Dual-Band Linear-to-Circular Polarizer for K/Ka-band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	2
224	Efficient Leaky-Lens Antenna at 60 GHz Based on a Substrate-Integrated-Holey Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7777-7784	4.9	13
223	Excitation of the Zenneck Wave by a Tapered Line Source Above the Earth or Ocean. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4848-4859	4.9	2
222	Wave Propagation in Periodic Metallic Structures with Equilateral Triangular Holes. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1600	2.6	10
221	Neutrophil Extracellular Traps in Periodontitis. <i>Cells</i> , 2020 , 9,	7.9	16
220	Efficacy of regenerative therapy in aggressive periodontitis: a systematic review and meta-analysis of randomised controlled clinical trials. <i>Clinical Oral Investigations</i> , 2020 , 24, 1369-1378	4.2	2
219	Planar Resonant Blazed Gratings From a Circuit Model Standpoint. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2765-2778	4.9	7
218	On the Increment of the Bandwidth of Mushroom-Type EBG Structures With Glide Symmetry. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1365-1375	4.1	16
217	Efficient Simulation of Large Irregular Arrays on a Finite Ground Plane. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2753-2764	4.9	2
216	Propagation Characteristics in Substrate Integrated Holey Metasurfaces 2020 ,		2
215	Passband broadening of sub-wavelength resonator-based glide-symmetric SIW filters. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 125, 153362	2.8	4
214	Accurate Characterization and Design Guidelines of Glide-Symmetric Holey EBG. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4984-4994	4.1	14
213	Dispersion Analysis of Periodically Loaded Transmission Lines with Twist Symmetry Using the Mode-Matching Technique. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5990	2.6	3
212	Simulation-Assisted Efficient Computation of the Dispersion Diagram of Periodic Structures: A comprehensive overview with applications to filters, leaky-wave antennas and metasurfaces. <i>IEEE Antennas and Propagation Magazine</i> , 2020 , 0-0	1.7	16
211	Short-term effects of hyaluronic acid on the subgingival microbiome in peri-implantitis: A randomized controlled clinical trial. <i>Journal of Periodontology</i> , 2020 , 91, 734-745	4.6	7
210	Excitation of the Zenneck Wave by a Tapered Line Source 2019 ,		1
209	Roadmap on metasurfaces. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 073002	1.7	69
208	Composite Alloplastic Biomaterial vs. Autologous Platelet-Rich Fibrin in Ridge Preservation. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	3

207	Analysis of Multipactor Effect in a Partially Dielectric-Loaded Rectangular Waveguide. <i>IEEE Transactions on Plasma Science</i> , 2019 , 47, 259-265	1.3	12
206	Periodontitis and mechanisms of cardiometabolic risk: Novel insights and future perspectives. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 476-484	6.9	15
205	Characterization and comparison of neutrophil extracellular traps in gingival samples of periodontitis and gingivitis: A pilot study. <i>Journal of Periodontal Research</i> , 2019 , 54, 218-224	4.3	13
204	Resonant Modes of a Waveguide Iris Discontinuity: Interpretation in Terms of Canonical Circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 2059-2069	4.1	8
203	Chronic periodontitis is associated with erectile dysfunction. A case-control study in european population. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 791-798	7.7	9
202	Association of periodontitis with preterm birth and low birth weight: a comprehensive review. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018 , 31, 597-602	2	32
201	Simvastatin exerts antiproliferative and differentiating effects on MG63 osteoblast-like cells: Morphological and immunocytochemical study. <i>Journal of Periodontal Research</i> , 2018 , 53, 91-97	4.3	7
200	On the Computation of the Dispersion Diagram of Symmetric One-Dimensionally Periodic Structures. <i>Symmetry</i> , 2018 , 10, 307	2.7	24
199	Circuit-model approach for polarizing surfaces based on stacked meander-line gratings 2018 ,		1
198	Efficient Hybrid Full-Wave/Circuitual Approach for Stacks of Frequency Selective Surfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1925-1929	3.8	2
197	Physically-insightful equivalent circuit models for electromagnetic periodic structures. <i>Journal of Physics: Conference Series</i> , 2018 , 963, 012010	0.3	0
196	Unlocking Complexity Using the ECA: The Equivalent Circuit Model as An Efficient and Physically Insightful Tool for Microwave Engineering. <i>IEEE Microwave Magazine</i> , 2018 , 19, 44-65	1.2	21
195	Differential Lines for Common-Mode Suppression Based in Hybrid Microstrip/CPW Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 13-15	2.6	16
194	Wideband analytical equivalent circuit for coupled asymmetrical nonaligned slit arrays. <i>Physical Review E</i> , 2017 , 95, 023303	2.4	8
193	Leaky-wave antenna in planar technology with high directivity in the transverse plane 2017 ,		2
192	Polymorphism IL-1RN rs419598 reduces the susceptibility to generalized periodontitis in a population of European descent. <i>PLoS ONE</i> , 2017 , 12, e0186366	3.7	10
191	Equivalent Circuit Approach for Practical Applications of Meander-Line Gratings. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 3088-3091	3.8	8
190	Circuit and Analytical Modelling of Extraordinary Transmission Metamaterials. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2017 , 139-198	0.1	

189	A new differential line based on a periodic microstrip-CPW hybrid structure 2017 ,		2
188	Annular Apertures in Metallic Screens as Extraordinary Transmission and Frequency Selective Surface Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4933-4946	4.1	13
187	Accurate circuit model for a planar resonant blazed grating 2017 ,		5
186	Cellular, Vascular, and Histomorphometric Outcomes of Solvent-Dehydrated vs Freeze-Dried Allogeneic Graft for Maxillary Sinus Augmentation: A Randomized Case Series. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017 , 32, 121-127	2.8	14
185	Relationship between periodontal parameters and plasma cytokine profiles in pregnant woman with preterm birth or low birth weight. <i>Clinical Oral Investigations</i> , 2016 , 20, 669-74	4.2	8
184	Relationship Between Long-Term Marginal Bone Loss and Bone Quality, Implant Width, and Surface. <i>International Journal of Oral and Maxillofacial Implants</i> , 2016 , 31, 398-405	2.8	11
183	Tooth loss and alveolar bone crest loss during supportive periodontal therapy in patients with generalized aggressive periodontitis: retrospective study with follow-up of 8 to 15 years. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 1109-1115	7.7	16
182	Wideband analytical equivalent circuit for one-dimensional periodic stacked arrays. <i>Physical Review E</i> , 2016 , 93, 013306	2.4	13
181	Excitation of Discrete and Continuous Spectrum in Subdiffraction Wire-Medium Type Lenses. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 5208-5219	4.9	1
180	Complementary clinical effects of red complex bacteria on generalized periodontitis in a caucasian population. <i>Oral Diseases</i> , 2016 , 22, 430-7	3.5	16
179	Dynamical Equivalent Circuit for 1-D Periodic Compound Gratings. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 1195-1208	4.1	19
178	Simplified Modal Expansion to Analyze Frequency-Selective Surfaces: An Equivalent Circuit Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1106-1111	4.9	23
177	Accurate Circuit Modeling of Fishnet Structures for Negative-Index-Medium Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 15-26	4.1	17
176	Preterm birth and/or low birth weight are associated with periodontal disease and the increased placental immunohistochemical expression of inflammatory markers. <i>Histology and Histopathology</i> , 2016 , 31, 231-7	1.4	19
175	Immediate Implants Placed in Fresh Sockets Associated with Periapical Pathology: A Split-Mouth Design and Survival Evaluation after 1-Year Follow-Up. <i>Clinical Implant Dentistry and Related Research</i> , 2016 , 18, 1075-1083	3.9	9
174	Calculation of the electrostatic field in a dielectric-loaded waveguide due to an arbitrary charge distribution on the dielectric layer 2016 ,		2
173	Analytical modeling of non-symmetric and non-uniform compound gratings 2016 ,		1
172	Electrothermal MEMS parallel plate rotation for single-imager stereoscopic endoscopes. <i>Optics Express</i> , 2016 , 24, 9667-72	3.3	10

171	Making metals transparent: a circuit model approach. <i>Optics Express</i> , 2016 , 24, 10265-74	3.3	4
170	Analytical Multimodal Network Approach for 2-D Arrays of Planar Patches/Apertures Embedded in a Layered Medium. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1969-1984	4.9	42
169	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5107-5113	4.9	3
168	Common-mode suppression for balanced bandpass filters in multilayer liquid crystal polymer technology. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1249-1253	1.6	15
167	Tunable second-order bandpass filter based on dual ENZ waveguide 2015 ,		2
166	Two cases of an atypical presentation of necrotizing stomatitis. <i>Journal of Periodontal and Implant Science</i> , 2015 , 45, 252-6	2	6
165	Clinical Application of Mesenchymal Stem Cells and Novel Supportive Therapies for Oral Bone Regeneration. <i>BioMed Research International</i> , 2015 , 2015, 341327	3	51
164	Osteoarticular Expression of Musashi-1 in an Experimental Model of Arthritis. <i>BioMed Research International</i> , 2015 , 2015, 681456	3	8
163	Simple and Compact Balanced Bandpass Filters Based on Magnetically Coupled Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1843-1853	4.1	47
162	Circuit-Model Analysis of Frequency Selective Surfaces With Scatterers of Arbitrary Geometry. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 135-138	3.8	20
161	Wideband equivalent circuit for non-aligned 1-D periodic metal strips coupled gratings 2015 ,		1
160	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1022-1031	4.9	41
159	Compact Balanced FSIR Bandpass Filter Modified for Enhancing Common-Mode Suppression. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 154-156	2.6	23
158	Crosstalk in Coupled Microstrip Lines With a Top Cover. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2014 , 56, 375-384	2	4
157	Effects of inter-resonator coupling in split ring resonator loaded metamaterial transmission lines. <i>Journal of Applied Physics</i> , 2014 , 115, 194903	2.5	11
156	Enhanced Modelling of Split-Ring Resonators Couplings in Printed Circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 1605-1615	4.1	31
155	Catecholamine metabolites in urine, as chronic stress biomarkers, are associated with higher risk of chronic periodontitis in adults. <i>Journal of Periodontology</i> , 2014 , 85, 1755-62	4.6	16
154	Periodontitis, blood lipids and lipoproteins. <i>Clinical Lipidology</i> , 2014 , 9, 261-276		1

153	Tuning ZOR in ENZ waveguide using a single longitudinal slot and equivalent circuit parameter extraction 2014 ,		1
152	An ex vivo model in human femoral heads for histopathological study and resonance frequency analysis of dental implant primary stability. <i>BioMed Research International</i> , 2014 , 2014, 535929	3	6
151	Tobacco consumption induces alveolar crest height loss independently of mandibular bone mass and bone density. <i>Clinical Oral Implants Research</i> , 2014 , 25, 1034-40	4.8	3
150	Morphological evidences of Bio-Oss [®] colonization by CD44-positive cells. <i>Clinical Oral Implants Research</i> , 2014 , 25, 366-371	4.8	20
149	Analytical circuit model for stacked slit gratings 2014 ,		3
148	Analytical Circuit Model for 1-D Periodic T-Shaped Corrugated Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 794-803	4.9	16
147	Association between COX-2 rs 6681231 genotype and interleukin-6 in periodontal connective tissue. A pilot study. <i>PLoS ONE</i> , 2014 , 9, e87023	3.7	11
146	Slow resorption of anorganic bovine bone by osteoclasts in maxillary sinus augmentation. <i>Clinical Implant Dentistry and Related Research</i> , 2013 , 15, 858-66	3.9	43
145	Magnetoinductive Waves and Complex Modes in Two-Dimensional Periodic Arrays of Split Ring Resonators. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3554-3563	4.9	12
144	Comprehensive Study of the Spurious Effects on the Signal Guidance in Coplanar Waveguides. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2013 , 55, 707-716	2	
143	Effects of the bottom ground plate on coplanar waveguide structures. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 708-713	1.6	1
142	Are periodontal bacterial profiles and placental inflammatory infiltrate in pregnancy related to birth outcomes?. <i>Journal of Periodontology</i> , 2013 , 84, 1327-36	4.6	16
141	Accelerated Macro Basis Functions Analysis of Finite Printed Antenna Arrays Through 2D and 3D Multipole Expansions. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 707-717	4.9	15
140	Analytical circuit model for dipole frequency-selective surfaces 2013 ,		7
139	Dual capacitive-inductive nature of periodic graphene patches: Transmission characteristics at low-terahertz frequencies. <i>Physical Review B</i> , 2013 , 87,	3.3	82
138	Dual capacitive-inductive nature of graphene metasurface: Transmission characteristics at low-terahertz frequencies 2013 ,		2
137	Complex modes in periodic transmission lines based on split rings 2013 ,		2
136	DUAL-BAND DIFFERENTIAL FILTER USING BROADBAND COMMON-MODE REJECTION ARTIFICIAL TRANSMISSION LINE. <i>Progress in Electromagnetics Research</i> , 2013 , 139, 779-797	3.8	35

135	Common-Mode Suppression in Microstrip Differential Lines by Means of Complementary Split Ring Resonators: Theory and Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3023-3034	4.1	118
134	Analytical Wideband Model for Strip/Slit Gratings Loaded With Dielectric Slabs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 3908-3918	4.1	45
133	Surface-impedance quasi-transverse electromagnetic approach for the efficient calculation of conductor losses in multilayer single and coupled microstrip lines. <i>IET Microwaves, Antennas and Propagation</i> , 2012 , 6, 519	1.6	2
132	Quasi-Analytical Modeling of Transmission/Reflection in Strip/Slit Gratings Loaded With Dielectric Slabs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 405-418	4.1	31
131	Magnetoinductive waves in 2D periodic arrays of split ring resonators 2012 ,		1
130	New Absorbing Boundary Conditions and Analytical Model for Multilayered Mushroom-Type Metamaterials: Applications to Wideband Absorbers. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 5727-5742	4.9	48
129	Multimode Propagation and Complex Waves in CSRR-Based Transmission-Line Metamaterials. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1024-1027	3.8	18
128	Crosstalk and low frequency radiation in a coupled microstrip line with a top cover 2012 ,		1
127	Circuit model for metallic gratings with tapered and stepped slits 2012 ,		1
126	Bandpass and bandstop filters based on open stubs with ground plane slots. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1242-1246	1.2	
125	Enhanced transmission with a graphene-dielectric microstructure at low-terahertz frequencies. <i>Physical Review B</i> , 2012 , 85,	3.3	99
124	Heat-shock protein 60 kDa and atherogenic dyslipidemia in patients with untreated mild periodontitis: a pilot study. <i>Cell Stress and Chaperones</i> , 2012 , 17, 399-407	4	36
123	Alveolar bone level is not associated with vitamin D receptor gene polymorphism and bone density in mandible. <i>Clinical Oral Investigations</i> , 2012 , 16, 371-7	4.2	2
122	Cyclooxygenase-2 expression in gingival biopsies from periodontal patients is correlated with connective tissue loss. <i>Journal of Periodontology</i> , 2012 , 83, 1538-45	4.6	9
121	Predictive factors for maxillary sinus augmentation outcomes: a case series analysis. <i>Implant Dentistry</i> , 2012 , 21, 433-40	2.4	17
120	Transmission through stacked 2D periodic distributions of square conducting patches. <i>Journal of Applied Physics</i> , 2012 , 112, 033101	2.5	24
119	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4637-4649	4.9	23
118	Fully analytical circuit-like approach for the TE scattering by narrow-slit printed gratings 2012 ,		1

117	Circuit modeling of multiband high-impedance surface absorbers in the microwave regime. <i>Physical Review B</i> , 2011 , 84,	3.3	39
116	Split rings-based differential transmission lines with common-mode suppression 2011 ,		3
115	Characterization of complex plasmonic modes in two-dimensional periodic arrays of metal nanospheres. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1446	1.7	32
114	Oral Pathogens, Immunity, and Periodontal Diseases. <i>Current Immunology Reviews</i> , 2011 , 7, 83-91	1.3	1
113	Gap Discontinuity in Microstrip Lines: An Accurate Semianalytical Formulation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 1441-1453	4.1	16
112	Efficient Computation of the Off-Diagonal Elements of the Vector-Potential Multilayered Periodic Dyadic Green's Function. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2557-2564	4.9	7
111	Multifocal oral melanoacanthoma and melanotic macula in a patient after dental implant surgery. <i>Journal of the American Dental Association</i> , 2011 , 142, 817-24	1.9	2
110	LOW-FREQUENCY EXCITATION OF LEAKY MODES IN A MICROSTRIP LINE WITH A TOP COVER. <i>Progress in Electromagnetics Research</i> , 2011 , 114, 235-254	3.8	2
109	Histomorphometric comparison of maxillary pristine bone and composite bone graft biopsies obtained after sinus augmentation. <i>Clinical Oral Implants Research</i> , 2010 , 21, 122-8	4.8	57
108	Optimal microvessel density from composite graft of autogenous maxillary cortical bone and anorganic bovine bone in sinus augmentation: influence of clinical variables. <i>Clinical Oral Implants Research</i> , 2010 , 21, 221-7	4.8	27
107	APPLICATION OF STUB LOADED FOLDED STEPPED IMPEDANCE RESONATORS TO DUAL BAND FILTERS. <i>Progress in Electromagnetics Research</i> , 2010 , 102, 107-124	3.8	50
106	DESIGN OF BAND-PASS FILTERS USING STEPPED IMPEDANCE RESONATORS WITH FLOATING CONDUCTORS. <i>Progress in Electromagnetics Research</i> , 2010 , 105, 31-48	3.8	16
105	Efficient Determination of the Poles and Residues of Spectral Domain Multilayered Green's Functions That are Relevant in Far-Field Calculations. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 218-222	4.9	3
104	High-frequency scattering by a narrow gap on a microstrip line 2010 ,		1
103	Closed-Form Uniform Asymptotic Expansions of Green's Functions in Layered Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 2934-2945	4.9	25
102	Numerical and experimental study of the voltage excited along a slotline by a current source. <i>Radio Science</i> , 2010 , 45, n/a-n/a	1.4	3
101	Circuit modeling of the transmissivity of stacked two-dimensional metallic meshes. <i>Optics Express</i> , 2010 , 18, 13309-20	3.3	47
100	High-Frequency Pulse Distortion on a Lossy Microstrip Line With a Top Cover. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1774-1785	4.1	6

99	Application of Kummer's Transformation to the Efficient Computation of the 3-D Green's Function With 1-D Periodicity. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 95-106	4.9	7
98	Circuit model for a periodic array of slits sandwiched between two dielectric slabs. <i>Applied Physics Letters</i> , 2010 , 96, 161104	3.4	18
97	Extraordinary Transmission Through Arrays of Slits: A Circuit Theory Model. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 105-115	4.1	73
96	Study of Extraordinary Transmission in a Circular Waveguide System. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1532-1542	4.1	14
95	Parallel coupled CPW filters for spurious band suppression. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1094-1097	1.2	
94	Microstrip circuit analog of a complex diffraction phenomenon. <i>Applied Physics Letters</i> , 2009 , 95, 021108	3.4	1
93	Experimental verification of extraordinary transmission without surface plasmons. <i>Applied Physics Letters</i> , 2009 , 95, 071102	3.4	28
92	Slotline operating within a wide frequency band: Excitation of waves by a real source 2009 ,		1
91	Effect of preparation conditions on the properties of Cu ₃ BiS ₃ thin films grown by a two step process. <i>Journal of Physics: Conference Series</i> , 2009 , 167, 012019	0.3	10
90	Analytical theory of extraordinary transmission through metallic diffraction screens perforated by small holes. <i>Optics Express</i> , 2009 , 17, 5571-9	3.3	24
89	Analytical theory of wave propagation through stacked fishnet metamaterials. <i>Optics Express</i> , 2009 , 17, 11582-93	3.3	33
88	On the Physical Meaning of the Spectral Decomposition. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 488-490	2.6	3
87	Design of a dual band-pass filter using modified folded stepped-impedance resonators 2009 ,		4
86	Excitation of a Periodic Microstrip Line by an Aperiodic Delta-Gap Source. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 641-644	3.8	13
85	Electrical and optical properties of thin films with a SnS ₂ /Bi ₂ S ₃ alloy grown by sulphurization. <i>Journal of Physics: Conference Series</i> , 2009 , 167, 012018	0.3	2
84	Excitation of an Infinite Microstrip Line With a Vertical Coaxial Feed. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1638-1648	4.1	1
83	Closed-Form Expressions of Multilayered Planar Green's Functions That Account for the Continuous Spectrum in the Far Field. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1601-1614	4.1	38
82	Extraordinary Transmission Through Arrays of Electrically Small Holes From a Circuit Theory Perspective. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 3108-3120	4.1	127

81	Analysis of periodic shielded microstrip lines excited by nonperiodic sources through the array scanning method. <i>Radio Science</i> , 2008 , 43, n/a-n/a	1.4	19
80	Periodic arrangements of chiral scatterers providing negative refractive index bi-isotropic media. <i>Physical Review B</i> , 2008 , 77,	3.3	31
79	An Efficient Approach for the Computation of 2-D Green's Functions With 1-D and 2-D Periodicities in Homogeneous Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3733-3742	4.9	16
78	Investigation of fields and currents for broadband over power line (BPL) communications 2008 ,		1
77	Equivalent circuit model to explain extraordinary transmission 2008 ,		6
76	Extraordinary transmission through slits from a microwave engineering perspective 2008 ,		2
75	New closed form expressions for layered media green's functions 2008 ,		1
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