

David Jackson

List of Publications by Year in descending order

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253
papers

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citations

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257
all docs

257
docs citations

257
times ranked

2482
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of the Radiating Features of 1-D Unidirectional Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2022, 70, 111-125.	3.1	7
2	Long Slot mmWave Low-SLL Periodic-Modulated Leaky-Wave Antenna Based on Empty SIW. IEEE Transactions on Antennas and Propagation, 2022, 70, 1857-1868.	3.1	10
3	An Appraisal of Numerical Approaches for a VED Over the Earth or Ocean. IEEE Transactions on Antennas and Propagation, 2022, 70, 6957-6972.	3.1	1
4	Optimization of 1-D Unidirectional Leaky-Wave Antennas Based on Partially Reflecting Surfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 7853-7868.	3.1	10
5	Underground Tunnel Detection using EM Waves. , 2021, , .		1
6	Numerical study of crosshole electromagnetic tunnel detection. Geophysics, 2021, 86, WA109-WA122.	1.4	1
7	Electrochemical Impedance Imaging on Conductive Surfaces. Analytical Chemistry, 2021, 93, 12320-12328.	3.2	6
8	The History of Radiation from Leaky-Wave Antennas. , 2021, , .		0
9	Active Scattering Cancellation Using a Microstrip Antenna Element. , 2021, , .		0
10	Optimum Gain Conditions for 1-D Unidirectional Leaky-Wave Antennas. , 2021, , .		0
11	A Cross-Shaped 2-D Periodic Leaky-Wave Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 1289-1301.	3.1	11
12	Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas. , 2020, , .		1
13	Excitation of the Zenneck Wave by a Tapered Line Source Above the Earth or Ocean. IEEE Transactions on Antennas and Propagation, 2020, 68, 4848-4859.	3.1	3
14	Active Radar Cross Section Reduction of an Object Using Microstrip Antennas. Radio Science, 2020, 55, e2019RS006939.	0.8	11
15	A General Formula for the Half-Power Beamwidth of 1-D Unidirectional Leaky-Wave Antennas. , 2020, , .		2
16	On the Relationship Between Impedances of Active Implantable Medical Devices and Device Safety Under MRI RF Emission. IEEE Transactions on Electromagnetic Compatibility, 2019, , 1-9.	1.4	8
17	Overview of Wideband Fabry-Pérot Cavity Antennas with Thick Partially Reflective Surface. , 2019, , .		1
18	Efficient Computation of Green's Functions for Lossy Uniaxial Anisotropic Layered Media. Radio Science, 2019, 54, 196-214.	0.8	8

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19	Leaky-Wave Analysis of Wideband Planar Fabry-Pérot Cavity Antennas Formed by a Thick PRS. IEEE Transactions on Antennas and Propagation, 2019, 67, 5163-5175.	3.1	37
20	SIW Microstrip Cavity Resonators with a Sensing Aperture. , 2019, , .		2
21	Radiation Properties of a 2-D Periodic Leaky-Wave Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 3560-3573.	3.1	19
22	General Formulas for the Beam Properties of 1-D Bidirectional Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 3597-3608.	3.1	21
23	A TDOA Localization Method for Nonline-of-Sight Scenarios. IEEE Transactions on Antennas and Propagation, 2019, 67, 2666-2676.	3.1	25
24	New Beamwidth Formulas for 1-D Leaky-wave Antennas: A Review. , 2019, , .		1
25	A History of Leaky Waves and Leaky-Wave Antennas. , 2019, , .		4
26	2D Periodic Leaky-Wave Antennas in the Microwave and Optical Regimes. , 2019, , .		1
27	The Role of the Steepest-Descent Path in Electromagnetics. , 2019, , .		0
28	Analogy Between Elastodynamic Displacement and Electromagnetic Vector Potentials. , 2019, , .		0
29	Modal Analysis and Propagation Characteristics of Leaky Waves on a 2-D Periodic Leaky-Wave Antenna. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1181-1191.	2.9	17
30	TMz /TEz Vector Potentials Due to an Arbitrarily Oriented Dipole in 3-D Space in the Presence of an Infinite Dielectric Cylinder. Radio Science, 2018, 53, 509-524.	0.8	2
31	Beamwidth Evaluation of Finite-Length 1- D Bidirectional Leaky-Wave Antennas. , 2018, , .		1
32	Accelerated Computation of Triaxial Induction Tool Response for Arbitrarily Deviated Wells in Planar-Stratified Transversely Isotropic Formations. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 902-906.	1.4	15
33	A General and Accurate Formula for the Beamwidth of 1-D Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 1670-1679.	3.1	33
34	Transparent and Nontransparent Microstrip Antennas on a CubeSat: Novel low-profile antennas for CubeSats improve mission reliability. IEEE Antennas and Propagation Magazine, 2017, 59, 59-68.	1.2	46
35	A new expression for the evaluation of the beamwidth in 1-D leaky-wave antennas: Beyond Oliner's formula. , 2017, , .		0
36	Interpolation of Ewald-Accelerated Periodic Green's Function Representations for Homogeneous or Layered Media. IEEE Transactions on Antennas and Propagation, 2017, 65, 2517-2525.	3.1	14

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37	Wideband single-layer Fabry-Pérot cavity antenna with a radial variation of the cavity permittivity. , 2017, , .		0
38	Aperture Distributions for Maximum Endfire Directivity From a Continuous Line Source With a Uniform Phase Progression. IEEE Transactions on Antennas and Propagation, 2017, 65, 5123-5136.	3.1	9
39	Recent advances in evaluating Green's functions for multi-layered media and half-space problems. , 2017, , .		4
40	Microstrip feeding for the excitation of a higher-order resonant mode in cylindrical dielectric resonator antennas. , 2017, , .		3
41	Reduction of radar cross section using active microstrip antenna elements. , 2017, , .		4
42	A Dual-Mode circularly-polarized microstrip antenna. , 2017, , .		0
43	Development of methods for accurate and efficient analysis of periodic structures. , 2017, , .		0
44	Analysis of the radiating properties of endfire 1-D leaky-wave antennas. , 2017, , .		1
45	Beamwidth Properties of Endfire 1-D Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 6120-6125.	3.1	26
46	Trimetric Imaging of the Martian Ionosphere Using a CubeSat Constellation. , 2017, , .		0
47	Propagation characteristics of leaky waves on a 2D periodic leaky-wave antenna. , 2017, , .		4
48	Development of leaky-wave antennas. , 2016, , .		2
49	A TDOA localization method based on de-embedding the propagation background. , 2016, , .		0
50	1-D Periodic Green's Function for Leaky and Complex Waves Using the Ewald Method. IEEE Transactions on Antennas and Propagation, 2016, 64, 4703-4712.	3.1	3
51	Broadband transparent circularly-polarized microstrip antennas for CubeSats. , 2016, , .		7
52	Electromagnetic tunnel detection using a magnetic-dipole source in three-dimensional space. , 2016, , .		2
53	Reduced Surface Wave Microstrip Antennas. , 2016, , 1933-1968.		3
54	Wireless Power Transfer along Oil Pipe Using Ferrite Materials. IEEE Transactions on Magnetics, 2016, , 1-1.	1.2	7

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55	Equivalence of the King and Norton's Bannister Theories of Dipole Radiation Over Ground With Extensions to Plasmonics. IEEE Transactions on Antennas and Propagation, 2016, 64, 5251-5261.	3.1	14
56	V-band wideband Fabry-Pérot cavity antenna made of thick partially-reflective surface. , 2016, , .		2
57	Two-level singularity extraction for curl-type operators in layered-medium green's functions. , 2016, , .		1
58	MarsCAT: Mars Array of ionospheric Research Satellites using the CubeSat Ambipolar Thruster. , 2016, , .		0
59	Convergent Expressions for Periodic Potentials in Stratified Media Using Asymptotic Extractions. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	1
60	Efficient Computation of 1-D Periodic Layered Mixed Potentials for the Analysis of Leaky-Wave Antennas With Vertical Elements. IEEE Transactions on Antennas and Propagation, 2015, 63, 2396-2411.	3.1	15
61	A Method for Analyzing a Linear Series-Fed Rectangular Microstrip Antenna Array. IEEE Transactions on Antennas and Propagation, 2015, 63, 3731-3736.	3.1	28
62	Numerical study of source localization with non-line-of-sight effects based on time difference of arrival method. , 2015, , .		1
63	Leaky-wave explanation of gain-bandwidth-enhanced Fabry-Pérot Cavity antennas formed by a thick multilayer partially-reflective surface. , 2015, , .		12
64	Using the matrix pencil method to analyze a 3D leaky wave antenna. , 2015, , .		1
65	An investigation of dual-band Fabry-Pérot resonant cavity antennas. , 2015, , .		0
66	Beam Focusing Using Backward-Radiating Waves on Conformal Leaky-Wave Antennas Based on a Metal Strip Grating. IEEE Transactions on Antennas and Propagation, 2015, 63, 4667-4677.	3.1	21
67	Properties of microwave and optical 2-D periodic leaky wave antennas. , 2015, , .		4
68	Efficient computation of Green's functions for one-dimensional periodic structures in layered media. , 2015, , .		0
69	Reduced Surface Wave Microstrip Antennas. , 2015, , 1-29.		0
70	Reduced Surface Wave Microstrip Antennas. , 2015, , 1-29.		0
71	A semi-analytical model for dense via structures with shared antipad configurations. , 2014, , .		0
72	A cylindrical dielectric surface-wave antenna. , 2014, , .		2

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73	An investigation of multiband Fabry-Pérot resonant cavity antennas. , 2014, , .		0
74	Advances in leaky-wave periodic structures after oliner's pioneering research. , 2014, , .		2
75	Theory and design of leaky-wave antennas on a curved surface. , 2014, , .		1
76	A study of the impedance and pattern bandwidths of aperture-coupled cylindrical dielectric resonator antennas. Microwave and Optical Technology Letters, 2014, 56, 2129-2132.	0.9	2
77	A Semianalytical Model for Vias With Arbitrarily Shaped Antipads Based on the Reciprocity Theorem. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3239-3248.	2.9	0
78	Investigation of feed line effects on near fields from broadband over power line communications. , 2014, , .		0
79	Arthur A. Oliner and his contributions to the field of leaky waves: A personal perspective. , 2014, , .		0
80	Examination of radiation from 2D periodic leaky-wave antennas. , 2014, , .		5
81	AP-S Distinguished Lecturer Program [Chapter News]. IEEE Antennas and Propagation Magazine, 2014, 56, 149-150.	1.2	0
82	Crosstalk in Coupled Microstrip Lines With a Top Cover. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 375-384.	1.4	5
83	A self-matched wide scanning U-stub microstrip periodic leaky-wave antenna. Journal of Electromagnetic Waves and Applications, 2014, 28, 151-164.	1.0	17
84	Numerical study of source localization using the TDOA method. , 2014, , .		1
85	Fast electromagnetic modeling of massively coupled vias in 3-D interconnects. , 2014, , .		0
86	An Analysis of Conductor Surface Roughness Effects on Signal Propagation for Stripline Interconnects. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 707-714.	1.4	26
87	Investigations of SIW Leaky-Wave Antenna for Endfire-Radiation With Narrow Beam and Sidelobe Suppression. IEEE Transactions on Antennas and Propagation, 2014, 62, 4489-4497.	3.1	144
88	Hansen-Woodyard Condition for 2-D Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2014, 62, 2351-2360.	3.1	1
89	Improved Bandwidth Formulas for Fabry-Pérot Cavity Antennas Formed by Using a Thin Partially-Reflective Surface. IEEE Transactions on Antennas and Propagation, 2014, 62, 2361-2367.	3.1	19
90	The role of leaky waves in Fabry-Pérot resonant cavity antennas. , 2014, , .		2

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91	AP-S Distinguished Lecturer Program [Chapter News]. IEEE Antennas and Propagation Magazine, 2014, 56, 155-156.	1.2	0
92	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2014, 56, 138-139.	1.2	0
93	Efficient evaluation of MRI-induced electric fields in the vicinity of implantable lead. , 2013, , .		5
94	1-D Combine Leaky-Wave Antenna With the Open-Stopband Suppressed: Design Considerations and Comparisons With Measurements. IEEE Transactions on Antennas and Propagation, 2013, 61, 4484-4492.	3.1	108
95	An analysis of copper surface roughness effects on signal propagation in PCB traces. , 2013, , .		3
96	Cylindrical leaky-wave antenna using a metallic strip grating as a superstrate. , 2013, , .		2
97	A General Method for Designing Reduced Surface Wave Microstrip Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 2887-2894.	3.1	38
98	Wireless power transmission for oil well applications. , 2013, , .		4
99	Transparent microstrip antennas for CubeSat applications. , 2013, , .		21
100	Hansen-Woodyard condition for 2-D leaky-wave antennas. , 2013, , .		0
101	Circular-polarized compact low-profile omni-directional antenna. , 2013, , .		7
102	AP-S Distinguished Lecturer Program [Chapter News]. IEEE Antennas and Propagation Magazine, 2013, 55, 134-135.	1.2	0
103	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2013, 55, 142-142.	1.2	0
104	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2013, 55, 154-155.	1.2	0
105	AP-S distinguished lecturer program. IEEE Antennas and Propagation Magazine, 2013, 55, 124-125.	1.2	0
106	Computational aspects for the accurate and efficient analysis of periodic planar leaky-wave antennas. , 2012, , .		1
107	Efficient evaluation of radiation patterns for periodic structures using a periodic FDTD method. , 2012, , .		0
108	Cylindrical dielectric resonator antenna designs that have reduced lateral radiation. , 2012, , .		1

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109	High-frequency characteristics of a via connection. , 2012, , .		0
110	A π -matching network to eliminate the open-stopband in 1-D periodic leaky-wave antennas. , 2012, , .		4
111	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2012, 54, 146-175.	1.2	0
112	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2012, 54, 150-151.	1.2	0
113	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2012, 54, 144-145.	1.2	0
114	AP-S Distinguished Lecturer Program for 2011-2012. IEEE Antennas and Propagation Magazine, 2012, 54, 124-124.	1.2	0
115	Analysis of a linear series-fed rectangular microstrip antenna array. , 2012, , .		5
116	Leaky-Wave Antennas. Proceedings of the IEEE, 2012, 100, 2194-2206.	16.4	616
117	Computation of the one-dimensional free-space periodic Green's function for leaky waves using the Ewald method. , 2012, , .		0
118	Acceleration of Mixed Potentials From Vertical Currents in Layered Media for 2-D Structures With 1-D Periodicity. IEEE Transactions on Antennas and Propagation, 2012, 60, 3782-3793.	3.1	10
119	An enhanced integral-equation formulation for accurate analysis of frequency-selective structures. International Journal of Microwave and Wireless Technologies, 2012, 4, 365-372.	1.5	3
120	Efficient Evaluation of Half-Line Source Potentials and Their Derivatives. IEEE Transactions on Antennas and Propagation, 2012, 60, 5834-5842.	3.1	13
121	Substrate Integrated Waveguide (SIW) Leaky-Wave Antenna With Transverse Slots. IEEE Transactions on Antennas and Propagation, 2012, 60, 20-29.	3.1	388
122	Efficient computation of periodic, layered media Green's functions. , 2012, , .		3
123	Directive planar antennas based on leaky waves. , 2012, , .		1
124	Crosstalk and low frequency radiation in a coupled microstrip line with a top cover. , 2012, , .		1
125	A Practical Approach to Analyze Copper Surface Roughness Effects with Applications to Stripline Structures. International Symposium on Microelectronics, 2012, 2012, 001068-001072.	0.3	0
126	An efficient numerical approach to the accurate analysis of propagation and radiation phenomena in metamaterial structures. , 2011, , .		1

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127	The legacy of Professor Nathan Marcuvitz and the field of leaky waves. , 2011, , .		1
128	Acceleration of the mixed-potential layered-medium Green's functions for problems with thin layers. , 2011, , .		2
129	Propagation Wavenumbers for Half- and Full-Width Microstrip Lines in the H_{11} Mode. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3005-3012.	2.9	36
130	Modal Analysis of Dielectric-Filled Rectangular Waveguide With Transverse Slots. IEEE Transactions on Antennas and Propagation, 2011, 59, 3194-3203.	3.1	55
131	AP-S Distinguished Lecturer Program for 2009â€“2010. IEEE Antennas and Propagation Magazine, 2011, 53, 79-79.	1.2	0
132	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2011, 53, 100-122.	1.2	0
133	AP-S Distinguished Lecturer Program for 2011. IEEE Antennas and Propagation Magazine, 2011, 53, 89-90.	1.2	0
134	The Fundamental Physics of Directive Beaming at Microwave and Optical Frequencies and the Role of Leaky Waves. Proceedings of the IEEE, 2011, 99, 1780-1805.	16.4	125
135	Evaluation and Optimization of the Specific Absorption Rate for Multiantenna Systems. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 628-637.	1.4	30
136	Gap Discontinuity in Microstrip Lines: An Accurate Semianalytical Formulation. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1441-1453.	2.9	18
137	Improved method to estimate the 3DB power bandwidth of a Fabry-Pérot Cavity antenna covered by a thin frequency selective surface. , 2011, , .		3
138	A Study of the Impedance and Pattern Bandwidths of Probe-Fed Cylindrical Dielectric Resonator Antennas. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1313-1316.	2.4	12
139	AP-S Distinguished Lecturer Program for 2009â€“2010. IEEE Antennas and Propagation Magazine, 2010, 52, 103-103.	1.2	0
140	AP-S Distinguished Lecturer Program for 2009â€“2010. IEEE Antennas and Propagation Magazine, 2010, 52, 155-155.	1.2	0
141	Radiation characteristics of finite-length 1D-uniform leaky wave antennas radiating at broadside. , 2010, , .		15
142	Extension of the Hansenâ€“Woodyard Condition for Endfire Leaky-Wave Antennas. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1201-1204.	2.4	35
143	Uses and efficient evaluation of half-line source potentials and their derivatives. , 2010, , .		3
144	High-frequency scattering by a narrow gap on a microstrip line. , 2010, , .		1

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145	High power waveguide-fed reduced lateral wave antenna. , 2010, , .		1
146	The development of a modified Hansen-Woodyard condition to include attenuation for leaky-wave endfire antennas. , 2010, , .		1
147	High-frequency scattering by a narrow gap on a microstrip line. , 2010, , .		0
148	Design of a 1-D combline leaky-wave antenna with the open-stopband suppressed. , 2010, , .		3
149	Investigation of bound and leaky modes on periodic bidimensional structures using mixed-potential integral equations. , 2010, , .		0
150	Fundamental properties of surface waves in lossless stratified structures. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 2447-2469.	1.0	30
151	Efficient calculation of 1-D periodic Green's functions for leaky-wave applications. , 2010, , .		4
152	Investigation of leaky-wave antenna based on dielectric-filled rectangular waveguide with transverse slots. , 2010, , .		0
153	Modeling of general 1-D periodic leaky-wave antennas in layered media using EIGER™. , 2010, , .		3
154	Effects of permittivity on bandwidth and radiation patterns of cylindrical dielectric resonator antennas. , 2010, , .		7
155	Highly Polarized, Directive Radiation From a Fabry-PÃ©rot Cavity Leaky-Wave Antenna Based on a Metal Strip Grating. IEEE Transactions on Antennas and Propagation, 2010, 58, 3873-3883.	3.1	36
156	Formulas for the Number of Surface Waves on Layered Structures. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1786-1795.	2.9	22
157	High-Frequency Pulse Distortion on a Lossy Microstrip Line With a Top Cover. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1774-1785.	2.9	8
158	The propagation wavenumber for microstrip line in the first higher-order mode. , 2010, , .		1
159	Accelerated solution of periodic problems involving arbitrarily-shaped cylindrical inclusions in stratified media. , 2010, , .		1
160	Interpolation of 2D layered-medium periodic green's function. , 2010, , .		4
161	The Array Scanning Method for the computation of ID-periodic 3D Green's functions in stratified media. , 2010, , .		2
162	Evaluation and optimization of the specific absorption rate for multi-antenna systems. , 2010, , .		0

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163	Reduced lateral wave cylindrical dielectric resonator antenna. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
164	Efficient computation of mixed potential dyadic Green's functions for a 1D periodic array of line sources in layered media. , 2009, , .		8
165	Metamaterials face-off [Speaker's Corner]. IEEE Microwave Magazine, 2009, 10, 8-42.	0.7	9
166	A Novel Technique for Open-Stopband Suppression in 1-D Periodic Printed Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2009, 57, 1894-1906.	3.1	234
167	Enhancement of Directivity by Using Metamaterial Substrates. , 2009, , .		0
168	Choosing splitting parameters and summation limits in the numerical evaluation of 1 st and 2 nd order periodic Green's functions using the Ewald method. Radio Science, 2008, 43, .	0.8	41
169	Excitation of an Infinite Microstrip Line With a Vertical Coaxial Feed. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1638-1648.	2.9	5
170	A decomposition/superposition technique for multi-transmitter system SAR measurement. , 2008, , .		2
171	Leaky modes at backward endfire on periodic printed structures. Radio Science, 2008, 43, .	0.8	1
172	Directive Leaky-Wave Radiation From a Dipole Source in a Wire-Medium Slab. IEEE Transactions on Antennas and Propagation, 2008, 56, 1329-1339.	3.1	66
173	The role of leaky plasmon waves in the directive beaming of light through a subwavelength aperture. Optics Express, 2008, 16, 21271.	1.7	64
174	Characterization of the Input Impedance of the Inset-Fed Rectangular Microstrip Antenna. IEEE Transactions on Antennas and Propagation, 2008, 56, 3314-3318.	3.1	38
175	Time-domain modeling techniques for periodic structures. , 2008, , .		0
176	Modal Propagation and Excitation on a Wire-Medium Slab. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1112-1124.	2.9	27
177	Full-Wave Modal Dispersion Analysis and Broadside Optimization for a Class of Microstrip CRLH Leaky-Wave Antennas. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2826-2837.	2.9	152
178	Investigation of fields and currents for broadband over power line (BPL) communications. , 2008, , .		3
179	An investigation of directive radiation from ultra subwavelength-thick planar antennas with partially-reflecting surfaces. , 2008, , .		1
180	Ewald acceleration for the dyadic Green's functions for a linear array of dipoles and a dipole in a parallel-plate waveguide. , 2008, , .		0

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181	Characteristics of an Inverted Shorted Annular-Ring-Reduced Surface-Wave Antenna. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 123-126.	2.4	16
182	A via-loaded annular-ring RSW antenna. , 2008, , .		1
183	Reducing surface-wave excitation from microstrip antennas by using a cavity filling. , 2007, , .		3
184	The array scanning method (ASM)-FDTD algorithm and its application to the excitation of two-dimensional EBG materials and waveguides. , 2007, , .		1
185	Directive emission from a single subwavelength aperture in a periodically corrugated silver film. , 2007, , .		0
186	Combinations of low ϵ -high permittivity and μ -or permeability substrates for highly directive planar metamaterial antennas. IET Microwaves, Antennas and Propagation, 2007, 1, 177.	0.7	72
187	A microstrip periodic leaky-wave antenna optimized for broadside scanning. , 2007, , .		8
188	A New Planar Dual-Band GPS Antenna Designed for Reduced Susceptibility to Low-Angle Multipath. IEEE Transactions on Antennas and Propagation, 2007, 55, 2358-2366.	3.1	77
189	Comparison of Methods for Calculating the Field Excited by a Dipole Near a 2-D Periodic Material. IEEE Transactions on Antennas and Propagation, 2007, 55, 1644-1655.	3.1	66
190	ASM ϵ -FDTD: A Technique for Calculating the Field of a Finite Source in the Presence of an Infinite Periodic Artificial Material. IEEE Microwave and Wireless Components Letters, 2007, 17, 271-273.	2.0	32
191	Corrections to "The Relation Between Creeping Waves, Leaky Waves, and Surface Waves". IEEE Transactions on Antennas and Propagation, 2007, 55, 250-250.	3.1	1
192	Reply to 'Comments on "The Relation Between Creeping Waves, Leaky Waves, and Surface Waves"'. IEEE Transactions on Antennas and Propagation, 2007, 55, 249-249.	3.1	0
193	Design of a dual-band uhf antenna for a multiband low-profile antenna system on public safety vehicles. , 2007, , .		1
194	Leaky Modes on a Grounded Wire-Medium Slab. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	2
195	High-gain omnidirectional radiation patterns from a metal strip grating leaky-wave antenna. , 2007, , .		8
196	A New Brillouin Dispersion Diagram for 1-D Periodic Printed Structures. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1484-1495.	2.9	49
197	Effects of Losses on the Current Spectrum of a Printed-Circuit Line. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1511-1519.	2.9	3
198	Bandwidth analysis of highly-directive planar radiators based on partially-reflecting surfaces. , 2006, , .		7

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199	A High-Frequency Circuit Model for the Gap Excitation of a Microstrip Line. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 4100-4110.	2.9	3
200	A full-wave numerical approach for modal analysis of 1-D periodic microstrip structures. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1350-1362.	2.9	74
201	Efficient computation of the 2D periodic Green's function using the Ewald method. Journal of Computational Physics, 2006, 219, 899-911.	1.9	47
202	High directivity in low-permittivity metamaterial slabs: Ray-optic vs. leaky-wave models. Microwave and Optical Technology Letters, 2006, 48, 2542-2548.	0.9	20
203	Time-Domain Pulse Propagation on a Microstrip Transmission Line Excited by a Gap Voltage Source. , 2006, , .		3
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