

David Jackson

List of Publications by Year in descending order

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253
papers

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117619

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114455

63
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257
all docs

257
docs citations

257
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaky-Wave Antennas. Proceedings of the IEEE, 2012, 100, 2194-2206.	21.3	616
2	Substrate Integrated Waveguide (SIW) Leaky-Wave Antenna With Transverse Slots. IEEE Transactions on Antennas and Propagation, 2012, 60, 20-29.	5.1	388
3	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.	5.1	234
4	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.	4.6	152
5	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.	5.1	144
6	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.	21.3	125
7	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.	5.1	108
8	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.	5.1	77
9	The theory of surface-wave and space-wave leaky-mode excitation on microstrip lines. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 207-215.	4.6	75
10	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.	4.6	74
11	Computational aspects of finite element modeling in EEG source localization. IEEE Transactions on Biomedical Engineering, 1997, 44, 736-752.	4.2	72
12	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.	1.4	72
13	Excitation of leaky modes on multilayer stripline structures. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 1062-1071.	4.6	71
14	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.	5.1	66
15	Directive Leaky-Wave Radiation From a Dipole Source in a Wire-Medium Slab. IEEE Transactions on Antennas and Propagation, 2008, 56, 1329-1339.	5.1	66
16	The role of leaky plasmon waves in the directive beaming of light through a subwavelength aperture. Optics Express, 2008, 16, 21271.	3.4	64
17	Effect of conductivity uncertainties and modeling errors on EEG source localization using a 2-D model. IEEE Transactions on Biomedical Engineering, 1998, 45, 1135-1145.	4.2	63
18	Beaming of light at broadside through a subwavelength hole: Leaky wave model and open stopband effect. Radio Science, 2005, 40, n/a-n/a.	1.6	61

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19	Design consideration for modeless integrated circuit substrates using planar periodic patches. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 2233-2239.	4.6	55
20	An excitation theory for bound modes, leaky modes, and residual-wave currents on stripline structures. Radio Science, 2000, 35, 495-510.	1.6	55
21	Modal Analysis of Dielectric-Filled Rectangular Waveguide With Transverse Slots. IEEE Transactions on Antennas and Propagation, 2011, 59, 3194-3203.	5.1	55
22	A general analysis of propagation along multiple-layer superconducting stripline and microstrip transmission lines. IEEE Transactions on Microwave Theory and Techniques, 1991, 39, 1553-1565.	4.6	51
23	Existence of a leaky dominant mode on microstrip line with an isotropic substrate: theory and measurements. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 1710-1715.	4.6	50
24	Microstrip open-end and gap discontinuities in a substrate-superstrate structure. IEEE Transactions on Microwave Theory and Techniques, 1989, 37, 1542-1546.	4.6	49
25	A New Brillouin Dispersion Diagram for 1-D Periodic Printed Structures. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1484-1495.	4.6	49
26	Efficient computation of the 2D periodic Green's function using the Ewald method. Journal of Computational Physics, 2006, 219, 899-911.	3.8	47
27	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.	1.4	46
28	Leakage of the dominant mode on stripline with a small air gap. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2549-2556.	4.6	45
29	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, .	1.6	41
30	Proper and improper dominant mode solutions for a stripline with an air gap. Radio Science, 1993, 28, 1163-1180.	1.6	38
31	A comparative study of a new GPS reduced-surface-wave antenna. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 233-236.	4.0	38
32	Characterization of the Input Impedance of the Inset-Fed Rectangular Microstrip Antenna. IEEE Transactions on Antennas and Propagation, 2008, 56, 3314-3318.	5.1	38
33	A General Method for Designing Reduced Surface Wave Microstrip Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 2887-2894.	5.1	38
34	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.	5.1	37
35	A fast MoM solution for large arrays: Green's function interpolation with FFT. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 161-164.	4.0	36
36	Highly Polarized, Directive Radiation From a Fabry-Pérot Cavity Leaky-Wave Antenna Based on a Metal Strip Grating. IEEE Transactions on Antennas and Propagation, 2010, 58, 3873-3883.	5.1	36

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37	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.	4.6	36
38	Extension of the Hansen-Woodyard Condition for Endfire Leaky-Wave Antennas. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1201-1204.	4.0	35
39	Simple CAD model for a dielectric leaky-wave antenna. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 243-245.	4.0	34
40	Evolution of leaky modes on printed-circuit lines. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 94-104.	4.6	33
41	A General and Accurate Formula for the Beamwidth of 1-D Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 1670-1679.	5.1	33
42	High-frequency leaky-mode excitation on a microstrip line. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 2206-2215.	4.6	32
43	ASMA-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.	3.2	32
44	A comparison of CAD models for radiation from rectangular microstrip patches. The International Executive, 1991, 1, 236-248.	0.1	31
45	Microstrip dipoles on electrically thick substrates. Journal of Infrared, Millimeter and Terahertz Waves, 1986, 7, 1-26.	0.6	30
46	The influence of a top cover on the leakage from microstrip line. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 2240-2248.	4.6	30
47	Fundamental properties of surface waves in lossless stratified structures. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 2447-2469.	2.1	30
48	Evaluation and Optimization of the Specific Absorption Rate for Multiantenna Systems. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 628-637.	2.2	30
49	A Method for Analyzing a Linear Series-Fed Rectangular Microstrip Antenna Array. IEEE Transactions on Antennas and Propagation, 2015, 63, 3731-3736.	5.1	28
50	Mode excitation from sources in two-dimensional EBG waveguides using the array scanning method. IEEE Microwave and Wireless Components Letters, 2005, 15, 49-51.	3.2	27
51	Modal Propagation and Excitation on a Wire-Medium Slab. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1112-1124.	4.6	27
52	An Analysis of Conductor Surface Roughness Effects on Signal Propagation for Stripline Interconnects. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 707-714.	2.2	26
53	Beamwidth Properties of Endfire 1-D Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 6120-6125.	5.1	26
54	A TDOA Localization Method for Nonline-of-Sight Scenarios. IEEE Transactions on Antennas and Propagation, 2019, 67, 2666-2676.	5.1	25

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55	Leakage fields from planar semi-infinite transmission lines. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 443-454.	4.6	24
56	Approximate analytical evaluation of the continuous spectrum in a substrate-superstrate dielectric waveguide. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2690-2701.	4.6	22
57	Formulas for the Number of Surface Waves on Layered Structures. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1786-1795.	4.6	22
58	The danger of high-frequency spurious effects on wide microstrip line. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2679-2689.	4.6	21
59	Transparent microstrip antennas for CubeSat applications. , 2013, , .		21
60	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.	5.1	21
61	General Formulas for the Beam Properties of 1-D Bidirectional Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 3597-3608.	5.1	21
62	High directivity in low-permittivity metamaterial slabs: Ray-optic vs. leaky-wave models. Microwave and Optical Technology Letters, 2006, 48, 2542-2548.	1.4	20
63	Radiation from Dielectric Leaky-Wave Antennas with Circular and Rectangular Apertures. Electromagnetics, 1997, 17, 505-535.	0.7	19
64	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.	5.1	19
65	Radiation Properties of a 2-D Periodic Leaky-Wave Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 3560-3573.	5.1	19
66	Gap Discontinuity in Microstrip Lines: An Accurate Semianalytical Formulation. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1441-1453.	4.6	18
67	A self-matched wide scanning U-stub microstrip periodic leaky-wave antenna. Journal of Electromagnetic Waves and Applications, 2014, 28, 151-164.	1.6	17
68	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.	4.6	17
69	Spurious radiation from a practical source on a covered microstrip line. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 2216-2226.	4.6	16
70	Characteristics of an Inverted Shorted Annular-Ring-Reduced Surface-Wave Antenna. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 123-126.	4.0	16
71	Radiation characteristics of finite-length 1D-uniform leaky wave antennas radiating at broadside. , 2010, , .		15
72	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.	5.1	15

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73	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.	3.1	15
74	Equivalence of the King and Nortonâ€“Bannister Theories of Dipole Radiation Over Ground With Extensions to Plasmonics. IEEE Transactions on Antennas and Propagation, 2016, 64, 5251-5261.	5.1	14
75	Interpolation of Ewald-Accelerated Periodic Greenâ€™s Function Representations for Homogeneous or Layered Media. IEEE Transactions on Antennas and Propagation, 2017, 65, 2517-2525.	5.1	14
76	Efficient Evaluation of Half-Line Source Potentials and Their Derivatives. IEEE Transactions on Antennas and Propagation, 2012, 60, 5834-5842.	5.1	13
77	Crosstalk Between Two Microstrip Lines Excited by a Gap Voltage Source. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1770-1780.	4.6	12
78	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.	4.0	12
79	Leaky-wave explanation of gain-bandwidth-enhanced Fabry-Pérot Cavity antennas formed by a thick multilayer partially-reflective surface. , 2015, , .		12
80	Investigation of integration paths in the spectral-domain analysis of leaky modes on printed circuit lines. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2267-2275.	4.6	11
81	A Cross-Shaped 2-D Periodic Leaky-Wave Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 1289-1301.	5.1	11
82	Active Radar Cross Section Reduction of an Object Using Microstrip Antennas. Radio Science, 2020, 55, e2019RS006939.	1.6	11
83	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.	5.1	10
84	Long Slot mmWave Low-SLL Periodic-Modulated Leaky-Wave Antenna Based on Empty SIW. IEEE Transactions on Antennas and Propagation, 2022, 70, 1857-1868.	5.1	10
85	Optimization of 1-D Unidirectional Leaky-Wave Antennas Based on Partially Reflecting Surfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 7853-7868.	5.1	10
86	An Efficient Hybrid Method for Calculating the EMC Coupling to a Device on a Printed Circuit Board inside a Cavity by a Wire Penetrating an Aperture. Electromagnetics, 2005, 25, 637-654.	0.7	9
87	Metamaterials face-off [Speaker's Corner]. IEEE Microwave Magazine, 2009, 10, 8-42.	0.8	9
88	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.	5.1	9
89	An exact TEM calculation of loss in a stripline of arbitrary dimensions. IEEE Transactions on Microwave Theory and Techniques, 1991, 39, 694-699.	4.6	8
90	A microstrip periodic leaky-wave antenna optimized for broadside scanning. , 2007, , .		8

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91	High-gain omnidirectional radiation patterns from a metal strip grating leaky-wave antenna. , 2007, , .		8
92	Efficient computation of mixed potential dyadic Green's functions for a 1D periodic array of line sources in layered media. , 2009, , .		8
93	High-Frequency Pulse Distortion on a Lossy Microstrip Line With a Top Cover. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1774-1785.	4.6	8
94	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.	2.2	8
95	Efficient Computation of Green's Functions for Lossy Uniaxial Anisotropic Layered Media. Radio Science, 2019, 54, 196-214.	1.6	8
96	The effect of substrate anisotropy on the dominant-mode leakage from stripline with an air gap. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2831-2838.	4.6	7
97	A novel approach for calculating the Characteristic impedance of printed-circuit lines. IEEE Microwave and Wireless Components Letters, 2005, 15, 283-285.	3.2	7
98	Bandwidth analysis of highly-directive planar radiators based on partially-reflecting surfaces. , 2006, , .		7
99	Effects of permittivity on bandwidth and radiation patterns of cylindrical dielectric resonator antennas. , 2010, , .		7
100	Circular-polarized compact low-profile omni-directional antenna. , 2013, , .		7
101	Broadband transparent circularly-polarized microstrip antennas for CubeSats. , 2016, , .		7
102	Wireless Power Transfer along Oil Pipe Using Ferrite Materials. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	7
103	Optimization of the Radiating Features of 1-D Unidirectional Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2022, 70, 111-125.	5.1	7
104	Electrochemical Impedance Imaging on Conductive Surfaces. Analytical Chemistry, 2021, 93, 12320-12328.	6.5	6
105	Excitation of an Infinite Microstrip Line With a Vertical Coaxial Feed. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1638-1648.	4.6	5
106	Analysis of a linear series-fed rectangular microstrip antenna array. , 2012, , .		5
107	Efficient evaluation of MRI-induced electric fields in the vicinity of implantable lead. , 2013, , .		5
108	Examination of radiation from 2D periodic leaky-wave antennas. , 2014, , .		5

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109	Crosstalk in Coupled Microstrip Lines With a Top Cover. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 375-384.	2.2	5
110	Virtual rays and applications. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1994, 11, 1513.	1.5	4
111	Efficient calculation of 1-D periodic Green's functions for leaky-wave applications. , 2010, , .		4
112	Interpolation of 2D layered-medium periodic green's function. , 2010, , .		4
113	A matching network to eliminate the open-stopband in 1-D periodic leaky-wave antennas. , 2012, , .		4
114	Wireless power transmission for oil well applications. , 2013, , .		4
115	Properties of microwave and optical 2-D periodic leaky wave antennas. , 2015, , .		4
116	Recent advances in evaluating Green's functions for multi-layered media and half-space problems. , 2017, , .		4
117	Reduction of radar cross section using active microstrip antenna elements. , 2017, , .		4
118	Propagation characteristics of leaky waves on a 2D periodic leaky-wave antenna. , 2017, , .		4
119	A History of Leaky Waves and Leaky-Wave Antennas. , 2019, , .		4
120	Closed-Form Evaluation of Flux Integrals Appearing in a Fem Solution of the 2D Poisson Equation with Dipole Sources. Electromagnetics, 1996, 16, 75-90.	0.7	3
121	A High-Frequency Circuit Model for the Gap Excitation of a Microstrip Line. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 4100-4110.	4.6	3
122	Time-Domain Pulse Propagation on a Microstrip Transmission Line Excited by a Gap Voltage Source. , 2006, , .		3
123	Reducing surface-wave excitation from microstrip antennas by using a cavity filling. , 2007, , .		3
124	Effects of Losses on the Current Spectrum of a Printed-Circuit Line. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1511-1519.	4.6	3
125	Investigation of fields and currents for broadband over power line (BPL) communications. , 2008, , .		3
126	Reduced lateral wave cylindrical dielectric resonator antenna. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3

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127	Uses and efficient evaluation of half-line source potentials and their derivatives. , 2010, , .		3
128	Design of a 1-D combline leaky-wave antenna with the open-stopband suppressed. , 2010, , .		3
129	Modeling of general 1-D periodic leaky-wave antennas in layered media using EIGER™. , 2010, , .		3
130	Improved method to estimate the 3DB power bandwidth of a Fabry-Pérot Cavity antenna covered by a thin frequency selective surface. , 2011, , .		3
131	An enhanced integral-equation formulation for accurate analysis of frequency-selective structures. International Journal of Microwave and Wireless Technologies, 2012, 4, 365-372.	1.9	3
132	Efficient computation of periodic, layered media Green's functions. , 2012, , .		3
133	An analysis of copper surface roughness effects on signal propagation in PCB traces. , 2013, , .		3
134	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.	5.1	3
135	Reduced Surface Wave Microstrip Antennas. , 2016, , 1933-1968.		3
136	Microstrip feeding for the excitation of a higher-order resonant mode in cylindrical dielectric resonator antennas. , 2017, , .		3
137	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.	5.1	3
138	RADIATION EFFICIENCY OPTIMIZATION FOR PRINTED CIRCUIT ANTENNAS USING MAGNETIC SUPERSTRATES. Electromagnetics, 1983, 3, 255-269.	0.7	2
139	Microwave characterization of high-temperature superconducting thin films using stripline resonators. Microwave and Optical Technology Letters, 1990, 3, 221-224.	1.4	2
140	The Residual-Wave Current Excited on a Printed-Circuit Line: A Source of Spurious Effects. , 1999, , .		2
141	Fundamental properties of radiation from a leaky mode excited on a planar transmission line. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2366-2377.	4.6	2
142	Plane Wave Propagation and Reflection. , 2005, , 513-524.		2
143	Time domain coupling to a device on a printed circuit board inside a cavity. Radio Science, 2005, 40, n/a-n/a.	1.6	2
144	Direct modal transition from space wave to surface wave leakage on microstrip lines. Radio Science, 2005, 40, n/a-n/a.	1.6	2

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145	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
146	A decomposition/superposition technique for multi-transmitter system SAR measurement. , 2008, , .		2
147	The Array Scanning Method for the computation of ID-periodic 3D Green's functions in stratified media. , 2010, , .		2
148	Acceleration of the mixed-potential layered-medium Green's functions for problems with thin layers. , 2011, , .		2
149	Cylindrical leaky-wave antenna using a metallic strip grating as a superstrate. , 2013, , .		2
150	A cylindrical dielectric surface-wave antenna. , 2014, , .		2
151	Advances in leaky-wave periodic structures after oliner's pioneering research. , 2014, , .		2
152	A study of the impedance and pattern bandwidths of aperture-coupled cylindrical dielectric resonator antennas. Microwave and Optical Technology Letters, 2014, 56, 2129-2132.	1.4	2
153	The role of leaky waves in Fabry-Pérot resonant cavity antennas. , 2014, , .		2
154	Development of leaky-wave antennas. , 2016, , .		2
155	Electromagnetic tunnel detection using a magnetic-dipole source in three-dimensional space. , 2016, , .		2
156	V-band wideband Fabry-Pérot cavity antenna made of thick partially-reflective surface. , 2016, , .		2
157	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.	1.6	2
158	SIW Microstrip Cavity Resonators with a Sensing Aperture. , 2019, , .		2
159	Representation of the Field Excited by a Line Source near a 2D Periodic Artificial Material. Springer Proceedings in Physics, 2004, , 13-24.	0.2	2
160	A General Formula for the Half-Power Beamwidth of 1-D Unidirectional Leaky-Wave Antennas. , 2020, , .		2
161	Microstrip Dipole Antennas On Electrically Thick Substrates. Proceedings of SPIE, 1985, , .	0.8	1
162	Radiation properties of leaky modes near the spectral gap region for semi-infinite printed-circuit lines. Radio Science, 2003, 38, n/a-n/a.	1.6	1

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163	Effects of Dielectric and Conductor Losses on the Current Spectrum Excited by a Gap Voltage Source on a Printed-Circuit Line. , 2006, , .		1
164	The array scanning method (ASM)-FDTD algorithm and its application to the excitation of two-dimensional EBG materials and waveguides. , 2007, , .		1
165	Corrections to "The Relation Between Creeping Waves, Leaky Waves, and Surface Waves". IEEE Transactions on Antennas and Propagation, 2007, 55, 250-250.	5.1	1
166	Design of a dual-band uhf antenna for a multiband low-profile antenna system on public safety vehicles. , 2007, , .		1
167	Leaky modes at backward endfire on periodic printed structures. Radio Science, 2008, 43, .	1.6	1
168	An investigation of directive radiation from ultra subwavelength-thick planar antennas with partially-reflecting surfaces. , 2008, , .		1
169	A via-loaded annular-ring RSW antenna. , 2008, , .		1
170	High-frequency scattering by a narrow gap on a microstrip line. , 2010, , .		1
171	High power waveguide-fed reduced lateral wave antenna. , 2010, , .		1
172	The development of a modified Hansen-Woodyard condition to include attenuation for leaky-wave endfire antennas. , 2010, , .		1
173	The propagation wavenumber for microstrip line in the first higher-order mode. , 2010, , .		1
174	Accelerated solution of periodic problems involving arbitrarily-shaped cylindrical inclusions in stratified media. , 2010, , .		1
175	An efficient numerical approach to the accurate analysis of propagation and radiation phenomena in metamaterial structures. , 2011, , .		1
176	The legacy of Professor Nathan Marcuvitz and the field of leaky waves. , 2011, , .		1
177	Computational aspects for the accurate and efficient analysis of periodic planar leaky-wave antennas. , 2012, , .		1
178	Cylindrical dielectric resonator antenna designs that have reduced lateral radiation. , 2012, , .		1
179	Directive planar antennas based on leaky waves. , 2012, , .		1
180	Crosstalk and low frequency radiation in a coupled microstrip line with a top cover. , 2012, , .		1

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181	Theory and design of leaky-wave antennas on a curved surface. , 2014, , .		1
182	Numerical study of source localization using the TDOA method. , 2014, , .		1
183	Hansen-Woodyard Condition for 2-D Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2014, 62, 2351-2360.	5.1	1
184	Numerical study of source localization with non-line-of-sight effects based on time difference of arrival method. , 2015, , .		1
185	Using the matrix pencil method to analyze a 3D leaky wave antenna. , 2015, , .		1
186	Two-level singularity extraction for curl-type operators in layered-medium green's functions. , 2016, , .		1
187	Convergent Expressions for Periodic Potentials in Stratified Media Using Asymptotic Extractions. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	1
188	Analysis of the radiating properties of endfire 1-D leaky-wave antennas. , 2017, , .		1
189	Beamwidth Evaluation of Finite-Length 1- D Bidirectional Leaky-Wave Antennas. , 2018, , .		1
190	Overview of Wideband Fabry-Pérot Cavity Antennas with Thick Partially Reflective Surface. , 2019, , .		1
191	New Beamwidth Formulas for 1-D Leaky-wave Antennas: A Review. , 2019, , .		1
192	2D Periodic Leaky-Wave Antennas in the Microwave and Optical Regimes. , 2019, , .		1
193	Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas. , 2020, , .		1
194	Underground Tunnel Detection using EM Waves. , 2021, , .		1
195	Numerical study of crosshole electromagnetic tunnel detection. Geophysics, 2021, 86, WA109-WA122.	2.6	1
196	Antennas. , 2004, , 277-346.		1
197	Leaky Modes and High-Frequency Effects in Microwave Integrated Circuits. , 0, , .		1
198	An Appraisal of Numerical Approaches for a VED Over the Earth or Ocean. IEEE Transactions on Antennas and Propagation, 2022, 70, 6957-6972.	5.1	1

#	ARTICLE	IF	CITATIONS
199	Closed-Form Evaluation of Flux Integrals Appearing in a Finite Element Solution of the 3D Poisson Equation with Dipole Sources. <i>Electromagnetics</i> , 2000, 20, 167-185.	0.7	0
200	Directive emission from a single subwavelength aperture in a periodically corrugated silver film. , 2007, , .		0
201	Reply to 'Comments on "The Relation Between Creeping Waves, Leaky Waves, and Surface Waves"'. <i>IEEE Transactions on Antennas and Propagation</i> , 2007, 55, 249-249.	5.1	0
202	Time-domain modeling techniques for periodic structures. , 2008, , .		0
203	Ewald acceleration for the dyadic Green's functions for a linear array of dipoles and a dipole in a parallel-plate waveguide. , 2008, , .		0
204	AP-S Distinguished Lecturer Program for 2009â€“2010. <i>IEEE Antennas and Propagation Magazine</i> , 2010, 52, 103-103.	1.4	0
205	AP-S Distinguished Lecturer Program for 2009â€“2010. <i>IEEE Antennas and Propagation Magazine</i> , 2010, 52, 155-155.	1.4	0
206	High-frequency scattering by a narrow gap on a microstrip line. , 2010, , .		0
207	Investigation of bound and leaky modes on periodic bidimensional structures using mixed-potential integral equations. , 2010, , .		0
208	Investigation of leaky-wave antenna based on dielectric-filled rectangular waveguide with transverse slots. , 2010, , .		0
209	Evaluation and optimization of the specific absorption rate for multi-antenna systems. , 2010, , .		0
210	AP-S Distinguished Lecturer Program for 2009â€“2010. <i>IEEE Antennas and Propagation Magazine</i> , 2011, 53, 79-79.	1.4	0
211	AP-S Distinguished Lecturer Program. <i>IEEE Antennas and Propagation Magazine</i> , 2011, 53, 100-122.	1.4	0
212	AP-S Distinguished Lecturer Program for 2011. <i>IEEE Antennas and Propagation Magazine</i> , 2011, 53, 89-90.	1.4	0
213	Efficient evaluation of radiation patterns for periodic structures using a periodic FDTD method. , 2012, , .		0
214	High-frequency characteristics of a via connection. , 2012, , .		0
215	AP-S Distinguished Lecturer Program. <i>IEEE Antennas and Propagation Magazine</i> , 2012, 54, 146-175.	1.4	0
216	AP-S Distinguished Lecturer Program. <i>IEEE Antennas and Propagation Magazine</i> , 2012, 54, 150-151.	1.4	0

#	ARTICLE	IF	CITATIONS
217	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2012, 54, 144-145.	1.4	0
218	AP-S Distinguished Lecturer Program for 2011-2012. IEEE Antennas and Propagation Magazine, 2012, 54, 124-124.	1.4	0
219	Computation of the one-dimensional free-space periodic Green's function for leaky waves using the Ewald method. , 2012, , .		0
220	Hansen-Woodyard condition for 2-D leaky-wave antennas. , 2013, , .		0
221	AP-S Distinguished Lecturer Program [Chapter News]. IEEE Antennas and Propagation Magazine, 2013, 55, 134-135.	1.4	0
222	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2013, 55, 142-142.	1.4	0
223	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2013, 55, 154-155.	1.4	0
224	AP-S distinguished lecturer program. IEEE Antennas and Propagation Magazine, 2013, 55, 124-125.	1.4	0
225	A semi-analytical model for dense via structures with shared antipad configurations. , 2014, , .		0
226	An investigation of multiband Fabry-Pérot resonant cavity antennas. , 2014, , .		0
227	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.	4.6	0
228	Investigation of feed line effects on near fields from broadband over power line communications. , 2014, , .		0
229	Arthur A. Oliner and his contributions to the field of leaky waves: A personal perspective. , 2014, , .		0
230	AP-S Distinguished Lecturer Program [Chapter News]. IEEE Antennas and Propagation Magazine, 2014, 56, 149-150.	1.4	0
231	Fast electromagnetic modeling of massively coupled vias in 3-D interconnects. , 2014, , .		0
232	AP-S Distinguished Lecturer Program [Chapter News]. IEEE Antennas and Propagation Magazine, 2014, 56, 155-156.	1.4	0
233	AP-S Distinguished Lecturer Program. IEEE Antennas and Propagation Magazine, 2014, 56, 138-139.	1.4	0
234	An investigation of dual-band Fabry-Pérot resonant cavity antennas. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
235	Efficient computation of Green's functions for one-dimensional periodic structures in layered media. , 2015, , .		0
236	A TDOA localization method based on de-embedding the propagation background. , 2016, , .		0
237	MarsCAT: Mars Array of ionospheric Research Satellites using the CubeSat Ambipolar Thruster. , 2016, , .		0
238	A new expression for the evaluation of the beamwidth in 1-D leaky-wave antennas: Beyond Oliner's formula. , 2017, , .		0
239	Wideband single-layer Fabry-Pérot cavity antenna with a radial variation of the cavity permittivity. , 2017, , .		0
240	A Dual-Mode circularly-polarized microstrip antenna. , 2017, , .		0
241	Development of methods for accurate and efficient analysis of periodic structures. , 2017, , .		0
242	Trimetric Imaging of the Martian Ionosphere Using a CubeSat Constellation. , 2017, , .		0
243	The History of Radiation from Leaky-Wave Antennas. , 2021, , .		0
244	Active Scattering Cancellation Using a Microstrip Antenna Element. , 2021, , .		0
245	Antennas. , 2006, , 277-346.		0
246	Enhancement of Directivity by Using Metamaterial Substrates. , 2009, , .		0
247	A Practical Approach to Analyze Copper Surface Roughness Effects with Applications to Stripline Structures. International Symposium on Microelectronics, 2012, 2012, 001068-001072.	0.0	0
248	Excitation of Leaky Modes on Printed Circuit Structures by Practical Feeds: An Investigation of Physical Meaning. , 1997, , 307-314.		0
249	Reduced Surface Wave Microstrip Antennas. , 2015, , 1-29.		0
250	Reduced Surface Wave Microstrip Antennas. , 2015, , 1-29.		0
251	The Role of the Steepest-Descent Path in Electromagnetics. , 2019, , .		0
252	Analogy Between Elastodynamic Displacement and Electromagnetic Vector Potentials. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
253	Optimum Gain Conditions for 1-D Unidirectional Leaky-Wave Antennas. , 2021, , .		0