

Chi H Chan

List of Publications by Year in descending order

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342
docs citations

342
times ranked

4053
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel 1-D microstrip PBG cells. , 2000, 10, 403-405.		208
2	3-D Printed Millimeter-Wave and Terahertz Lenses with Fixed and Frequency Scanned Beam. IEEE Transactions on Antennas and Propagation, 2016, 64, 442-449.	3.1	152
3	Space-coiling metamaterials with double negativity and conical dispersion. Scientific Reports, 2013, 3, 1614.	1.6	146
4	60 GHz Plated Through Hole Printed Magneto-Electric Dipole Antenna. IEEE Transactions on Antennas and Propagation, 2012, 60, 3129-3136.	3.1	142
5	Substrate-Integrated-Waveguide-Fed Array Antenna Covering 57â€“71 GHz Band for 5G Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6298-6306.	3.1	135
6	Backscattering enhancement of electromagnetic waves from two-dimensional perfectly conducting random rough surfaces based on Monte Carlo simulations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 2491.	0.8	112
7	Backscattering enhancement of electromagnetic waves from two-dimensional perfectly conducting random rough surfaces: a comparison of Monte Carlo simulations with experimental data. IEEE Transactions on Antennas and Propagation, 1996, 44, 748.	3.1	111
8	Small Antennas in Wireless Communications. Proceedings of the IEEE, 2012, 100, 2109-2121.	16.4	109
9	Design of a 5.8-GHz rectenna incorporating a new patch antenna. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 175-178.	2.4	106
10	Multiband Antenna for WiFi and WiGig Communications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 309-312.	2.4	104
11	Printed Circularly Polarized Spiral Antenna Array for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 636-643.	3.1	104
12	Low-Loss Frequency-Agile Bandpass Filters With Controllable Bandwidth and Suppressed Second Harmonic. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1557-1564.	2.9	101
13	Backscattering enhancement of a two-dimensional random rough surface (three-dimensional) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Image Science, and Vision, 1994, 11, 711.	0.8	93
14	Virtually Shorted Patch Antenna for Circular Polarization. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1213-1216.	2.4	93
15	RF Tunable Bandstop Filters With Constant Bandwidth Based on a Doublet Configuration. IEEE Transactions on Industrial Electronics, 2012, 59, 1257-1265.	5.2	89
16	Wideband Cavity-Backed Bowtie Antenna With Pattern Improvement. IEEE Transactions on Antennas and Propagation, 2008, 56, 3850-3854.	3.1	87
17	Wideband and High-Gain Composite Cavity-Backed Crossed Triangular Bowtie Dipoles for Circularly Polarized Radiation. IEEE Transactions on Antennas and Propagation, 2010, 58, 3157-3164.	3.1	87
18	An Explicit Fourth-Order Orthogonal Curvilinear Staggered-Grid FDTD Method for Maxwell's Equations. Journal of Computational Physics, 2002, 175, 739-763.	1.9	86

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19	Circularly Polarized Patch Antenna for Future 5G Mobile Phones. IEEE Access, 2014, 2, 1521-1529.	2.6	80
20	Wireless Communication Based on Information Metasurfaces. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1493-1510.	2.9	77
21	Broadband, Single-Layer Dual Circularly Polarized Reflectarrays With Linearly Polarized Feed. IEEE Transactions on Antennas and Propagation, 2016, 64, 4235-4241.	3.1	76
22	Design and Analysis of a High-Selectivity Frequency-Selective Surface at 60 GHz. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1694-1703.	2.9	74
23	A Broadband Compact Microstrip Rat-Race Hybrid Using a Novel CPW Inverter. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 161-167.	2.9	69
24	Ultrawideband Composite Cavity-Backed Folded Sectorial Bowtie Antenna With Stable Pattern and High Gain. IEEE Transactions on Antennas and Propagation, 2009, 57, 2478-2483.	3.1	69
25	3-D Printed Circularly Polarized Modified Fresnel Lens Operating at Terahertz Frequencies. IEEE Transactions on Antennas and Propagation, 2019, 67, 4429-4437.	3.1	67
26	A novel microstrip ring hybrid incorporating a PBG cell. IEEE Microwave and Wireless Components Letters, 2001, 11, 258-260.	2.0	65
27	Wideband and Unidirectional Cavity-Backed Folded Triangular Bowtie Antenna. IEEE Transactions on Antennas and Propagation, 2009, 57, 1259-1263.	3.1	65
28	Bandwidth enhancement technique for quarter-wave patch antennas. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 130-132.	2.4	61
29	Low conversion-loss fourth subharmonic mixers incorporating cmrc for millimeter-wave applications. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 1449-1454.	2.9	60
30	Dual-Band Bandpass Filter With Controllable Bandwidths Using Two Coupling Paths. IEEE Microwave and Wireless Components Letters, 2010, 20, 616-618.	2.0	60
31	High-Gain Circularly Polarized Lens Antenna for Terahertz Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 921-925.	2.4	60
32	A sparse-matrix canonical-grid method for scattering by many scatterers. Microwave and Optical Technology Letters, 1995, 8, 114-118.	0.9	59
33	Miniaturized Circularly Polarized Patch Antenna With Low Back Radiation for GPS Satellite Communications. IEEE Transactions on Antennas and Propagation, 2015, 63, 5934-5938.	3.1	59
34	Controlling Dispersion Characteristics of Terahertz Metasurface. Scientific Reports, 2015, 5, 9367.	1.6	58
35	Monte Carlo simulations of large-scale one-dimensional random rough-surface scattering at near-grazing incidence: Penetrable case. IEEE Transactions on Antennas and Propagation, 1998, 46, 142-149.	3.1	56
36	Terahertz Reflecting and Transmitting Metasurfaces. Proceedings of the IEEE, 2017, 105, 1166-1184.	16.4	56

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37	An In-Line Waveguide-to-Microstrip Transition Using Radial-Shaped Probe. IEEE Microwave and Wireless Components Letters, 2008, 18, 311-313.	2.0	53
38	Wideband Periodic Endfire Antenna With Bowtie Dipoles. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 314-317.	2.4	53
39	Electromagnetic scattering of waves by random rough surface: A finite-difference time-domain approach. Microwave and Optical Technology Letters, 1991, 4, 355-359.	0.9	52
40	A Tunable Via-Patch Loaded PIFA With Size Reduction. IEEE Transactions on Antennas and Propagation, 2007, 55, 65-71.	3.1	52
41	Novel oscillator incorporating a compact microstrip resonant cell. IEEE Microwave and Wireless Components Letters, 2001, 11, 202-204.	2.0	51
42	Novel subharmonically pumped mixer incorporating dual-band stub and in-line SCMRC. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2538-2547.	2.9	50
43	High-Selectivity Bandpass Frequency-Selective Surface in Terahertz Band. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 284-291.	2.0	49
44	The Implementation of Multilevel Green's Function Interpolation Method for Full-Wave Electromagnetic Problems. IEEE Transactions on Antennas and Propagation, 2007, 55, 1348-1358.	3.1	48
45	Analysis of a Class of Cylindrical Multiconductor Transmission Lines Using an Iterative Approach. IEEE Transactions on Microwave Theory and Techniques, 1987, 35, 415-424.	2.9	47
46	Multiple scattering of waves by dense random distributions of sticky particles for applications in microwave scattering by terrestrial snow. Radio Science, 2007, 42, .	0.8	46
47	An explicit fourth-order staggered finite-difference time-domain method for Maxwell's equations. Journal of Computational and Applied Mathematics, 2002, 147, 75-98.	1.1	44
48	A new multilevel Green's function interpolation method for large-scale low-frequency EM simulations. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2005, 24, 1427-1443.	1.9	44
49	Dual-Band and Dual-Polarized Leaky-Wave Antenna Based on Slotted SIW. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 507-511.	2.4	44
50	A microfabricated low-profile wideband antenna array for terahertz communications. Scientific Reports, 2017, 7, 1268.	1.6	43
51	High-Gain Millimeter-Wave Antennas Based on Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2020, 68, 4320-4331.	3.1	43
52	Terahertz Wavefront Control on Both Sides of the Cascaded Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 209-216.	3.1	42
53	Low-Cost Vertical Patch Antenna With Wide Axial-Ratio Beamwidth for Handheld Satellite Communications Terminals. IEEE Transactions on Antennas and Propagation, 2015, 63, 1417-1424.	3.1	41
54	A UWB Bandpass Filter With Two Transmission Zeros Using a Single Stub With CMRC. IEEE Microwave and Wireless Components Letters, 2007, 17, 43-45.	2.0	40

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55	Magnetolectric Dipole Antennas With Dual Open-Ended Slot Excitation. IEEE Transactions on Antennas and Propagation, 2016, 64, 3338-3346.	3.1	40
56	A compact bandpass filter with two tuning transmission zeros using a CMRC resonator. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 895-900.	2.9	39
57	China: Power Combiners/Dividers. IEEE Microwave Magazine, 2011, 12, 96-106.	0.7	39
58	A Novel Supercell-Based Dielectric Grating Dual-Beam Leaky-Wave Antenna for 60-GHz Applications. IEEE Transactions on Antennas and Propagation, 2016, 64, 5521-5526.	3.1	39
59	Bandwidth enhancement of circularly polarized microstrip patch antenna using multiple L-shaped probe feeds. Microwave and Optical Technology Letters, 2004, 42, 263-265.	0.9	38
60	A Trapeziform U-Slot Folded Patch Feed Antenna Design Optimized With Jumping Genes Evolutionary Algorithm. IEEE Transactions on Antennas and Propagation, 2008, 56, 571-577.	3.1	38
61	A Novel Wideband Differentially-Fed Higher-Order Mode Millimeter-Wave Patch Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 466-473.	3.1	38
62	Application of the finite element method to Monte Carlo simulations of scattering of waves by random rough surfaces: penetrable case. Waves in Random and Complex Media, 1991, 1, 287-307.	1.5	37
63	Parallel implementation of the sparse-matrix/canonical grid method for the analysis of two-dimensional random rough surfaces (three-dimensional scattering problem) on a Beowulf system. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1600-1608.	2.7	37
64	An Investigation of Open- and Short-Ended Resonators and Their Applications to Bandpass Filters. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2203-2210.	2.9	37
65	L-Shaped probe-feed circularly polarized microstrip patch antenna with a cross slot. Microwave and Optical Technology Letters, 2000, 25, 251-253.	0.9	36
66	Study of a small wide-band patch antenna with double shorting walls. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 230-231.	2.4	36
67	Tunable terahertz fishnet metamaterial. Applied Physics Letters, 2013, 102, .	1.5	36
68	Low-Cost 1-D Beam-Steering Reflectarray With $\hat{\pm}70^\circ$ Scan Coverage. IEEE Transactions on Antennas and Propagation, 2020, 68, 5009-5014.	3.1	36
69	Monte Carlo simulations of large-scale composite random rough-surface scattering based on the banded-matrix iterative approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1994, 11, 691.	0.8	35
70	Small Patch Antennas Incorporated With a Substrate Integrated Irregular Ground. IEEE Transactions on Antennas and Propagation, 2012, 60, 3096-3103.	3.1	35
71	Flat Terahertz Reflective Focusing Metasurface with Scanning Ability. Scientific Reports, 2017, 7, 3478.	1.6	35
72	3-D Printed Terahertz Lens to Generate Higher Order Bessel Beams Carrying OAM. IEEE Transactions on Antennas and Propagation, 2021, 69, 3399-3408.	3.1	35

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73	Multilevel expansion of the sparse-matrix canonical grid method for two-dimensional random rough surfaces. IEEE Transactions on Antennas and Propagation, 2001, 49, 1579-1589.	3.1	34
74	Interior Penalty Discontinuous Galerkin Time-Domain Method Based on Wave Equation for 3-D Electromagnetic Modeling. IEEE Transactions on Antennas and Propagation, 2017, 65, 7174-7184.	3.1	34
75	Application of physics-based two-grid method and sparse matrix canonical grid method for numerical simulations of emissivities of soils with rough surfaces at microwave frequencies. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1635-1643.	2.7	32
76	Sinusoidally Modulated Leaky-Wave Antenna for Millimeter-Wave Application. IEEE Transactions on Antennas and Propagation, 2016, 64, 849-855.	3.1	32
77	Wide-Angle Scanning Lens Fed by Small-Scale Antenna Array for 5G in Millimeter-Wave Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 3635-3643.	3.1	32
78	Numerical simulation of conical diffraction of tapered electromagnetic waves from random rough surfaces and applications to passive remote sensing. Radio Science, 1994, 29, 587-598.	0.8	31
79	Bandwidth Enhancement of Planar Slot Antenna Using Complementary Source Technique for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2014, 62, 4452-4458.	3.1	31
80	High-Gain Filtering Reflectarray Antenna for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 805-812.	3.1	31
81	Iterative Approaches to the Solution of Electromagnetic Boundary Value Problems. Electromagnetics, 1985, 5, 123-146.	0.3	30
82	Bistatic scattering and emissivities of random rough dielectric lossy surfaces with the physics-based two-grid method in conjunction with the sparse-matrix canonical grid method. IEEE Transactions on Antennas and Propagation, 2000, 48, 1-11.	3.1	30
83	A Complementary Circularly Polarized Antenna for 60-GHz Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1373-1376.	2.4	30
84	Combined random rough surface and volume scattering based on Monte Carlo simulations of solutions of Maxwell's equations. Radio Science, 1993, 28, 331-338.	0.8	29
85	Application of preconditioned CG-FFT technique to method of lines for analysis of the infinite-plane metallic grating. Microwave and Optical Technology Letters, 2000, 24, 170-175.	0.9	29
86	Simultaneous <i>in situ</i> Direction Finding and Field Manipulation Based on Space-Time-Coding Digital Metasurface. IEEE Transactions on Antennas and Propagation, 2022, 70, 4774-4783.	3.1	28
87	Circularly polarized patch antenna with an L-shaped probe fed by a microstrip line. Microwave and Optical Technology Letters, 2000, 24, 412-414.	0.9	27
88	Multiple Scattering Among Vias in Planar Waveguides Using Preconditioned SMCG Method. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 20-28.	2.9	27
89	Small dual-band antenna with folded-patch technique. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 108-110.	2.4	27
90	An Improved Vector Wave Equation-Based Discontinuous Galerkin Time Domain Method and Its Hybridization With Maxwell's Equation-Based Discontinuous Galerkin Time Domain Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 6170-6178.	3.1	26

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91	An Endfire Circularly Polarized Complementary Antenna Array for 5G Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 266-274.	3.1	26
92	Orbital Angular Momentum (OAM) Mode-Reconfigurable Discrete Dielectric Lens Operating at 300 GHz. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 480-489.	2.0	26
93	Wave Equation-Based Discontinuous Galerkin Time Domain Method for Co-Simulation of Electromagnetics-Circuit Systems. IEEE Transactions on Antennas and Propagation, 2020, 68, 3026-3036.	3.1	25
94	Waveguide-Based Differentially Fed Dual-Polarized Magnetolectric Dipole Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 3849-3857.	3.1	24
95	Terahertz Frequency-Selective Surface With Polarization Selection and Conversion Characteristics. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 510-519.	2.0	24
96	Terahertz free-space dielectric property measurements using time- and frequency-domain setups. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21839.	0.8	24
97	Substrate-Integrated-Waveguide-Fed Wideband Filtering Antenna for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 8125-8135.	3.1	24
98	Analysis of elliptical waveguides by a meshless collocation method with the Wendland radial basis functions. Microwave and Optical Technology Letters, 2002, 32, 162-165.	0.9	23
99	A Double-Sided Parallel-Strip Line Push-Pull Oscillator. IEEE Microwave and Wireless Components Letters, 2008, 18, 335-337.	2.0	23
100	A Circularly Polarized Differentially Fed Transmission-Line-Excited Magnetolectric Dipole Antenna Array for 5G Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 2002-2007.	3.1	23
101	Millimeter-Wave Holographic Flat Lens Antenna for Orbital Angular Momentum Multiplexing. IEEE Transactions on Antennas and Propagation, 2021, 69, 4289-4303.	3.1	23
102	Wide Impedance-Bandwidth and Gain-Bandwidth Terahertz On-Chip Antenna With Chip-Integrated Dielectric Resonator. IEEE Transactions on Antennas and Propagation, 2021, 69, 4269-4278.	3.1	23
103	Application of the preconditioned conjugate-gradient algorithm to the edge FEM for electromagnetic boundary-value problems. Microwave and Optical Technology Letters, 2000, 27, 235-238.	0.9	22
104	Surface electric fields and impedance matrix elements of stratified media. IEEE Transactions on Antennas and Propagation, 2000, 48, 1533-1543.	3.1	22
105	Amplifier Linearization Using Compact Microstrip Resonant Cell Theory and Experiment. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 927-934.	2.9	22
106	On the Analysis of Statistical Distributions of UWB Signal Scattering by Random Rough Surfaces Based on Monte Carlo Simulations of Maxwell Equations. IEEE Transactions on Antennas and Propagation, 2004, 52, 3200-3206.	3.1	21
107	A Differentially Fed Transmission-Line-Excited Magnetolectric Dipole Antenna Array for 5G Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 5224-5230.	3.1	21
108	A 2-D Beam-Scanning Bessel Launcher for Terahertz Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 5893-5903.	3.1	21

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109	On sampling algorithms in multilevel QR factorization method for magnetoquasistatic analysis of integrated circuits over multilayered lossy substrates. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2006, 25, 1777-1792.	1.9	20
110	An Improved Multilevel Green's Function Interpolation Method With Adaptive Phase Compensation. IEEE Transactions on Antennas and Propagation, 2008, 56, 1381-1393.	3.1	20
111	SOLUTION TO ELECTROMAGNETIC SCATTERING BY BI-ISOTROPIC MEDIA USING MULTILEVEL GREEN'S FUNCTION INTERPOLATION METHOD. Progress in Electromagnetics Research, 2009, 97, 259-274.	1.6	20
112	Wideband Millimeter-Wave Antenna With Low Cross Polarization Based on Spoof Surface Plasmon Polaritons. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1681-1685.	2.4	20
113	All-optical diffractive neural networked terahertz hologram. Optics Letters, 2020, 45, 2906.	1.7	20
114	Some recent developments in iterative techniques for solving electromagnetic boundary value problems. Radio Science, 1987, 22, 929-934.	0.8	19
115	A miniature monopole antenna for mobile communications. Microwave and Optical Technology Letters, 2000, 27, 262-263.	0.9	19
116	A study of compact microstrip resonant cells with applications in active circuits. Microwave and Optical Technology Letters, 2003, 37, 158-162.	0.9	19
117	Amplitude-Modulated Leaky-Wave Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 3664-3676.	3.1	19
118	Dual-Polarized Reconfigurable Metasurface for Multifunctional Control of Electromagnetic Waves. IEEE Transactions on Antennas and Propagation, 2022, 70, 4539-4548.	3.1	19
119	Multilevel Green's function interpolation method for analysis of 3-D frequency selective structures using volume/surface integral equation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 308.	0.8	18
120	Efficient Calculation of Electron Diffraction for the Structural Determination of Nanomaterials. Physical Review Letters, 2006, 97, 055505.	2.9	17
121	Multilevel Green's function interpolation method for scattering from composite metallic and dielectric objects. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2535.	0.8	17
122	High-Efficiency Periodic Sparse Microstrip Array Based on Mutual Coupling. IEEE Transactions on Antennas and Propagation, 2013, 61, 1963-1970.	3.1	17
123	Wideband, Low-Profile Slot-Fed Dipole-Patch Antenna and Array. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2250-2254.	2.4	17
124	Investigation of microstrip reflectarray using a photonic bandgap structure. Microwave and Optical Technology Letters, 2001, 28, 114-116.	0.9	15
125	Gap structures and wave functions of classical waves in large-sized two-dimensional quasiperiodic structures. Physical Review B, 2006, 74, .	1.1	15
126	High-Efficiency Periodic Sparse Patch Array Based on Mutual Coupling. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1317-1320.	2.4	15

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127	Waveguide Fed Broadband Millimeter Wave Short Backfire Antenna. IEEE Transactions on Antennas and Propagation, 2013, 61, 1697-1703.	3.1	15
128	Optimal simultaneous interpolation/extrapolation algorithm of electromagnetic responses in time and frequency domains. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1725-1732.	2.9	14
129	High-efficiency linear RF Amplifier - a unified circuit approach to achieving compactness and low distortion. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3255-3266.	2.9	14
130	Microwave and Millimeter-Wave MIMO Antenna Using Conductive ITO Film. IEEE Access, 2020, 8, 207024-207033.	2.6	14
131	Terahertz Mueller Matrix Polarimetry and Polar Decomposition. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 74-84.	2.0	14
132	60 GHz Fabry-Pérot Cavity Filtering Antenna Driven by an SIW-Fed Filtering Source. IEEE Transactions on Antennas and Propagation, 2022, 70, 823-834.	3.1	14
133	Emission of orbital angular momentum based on spoof localized surface plasmons. Optics Letters, 2019, 44, 5735.	1.7	14
134	Monte carlo simulations of scattering of waves by a random rough surface with the finite element method and the finite difference method. Microwave and Optical Technology Letters, 1990, 3, 150-154.	0.9	13
135	Flexible GMRES-FFT method for fast matrix solution: application to 3D dielectric bodies electromagnetic scattering. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2004, 17, 523-537.	1.2	13
136	Theory of low-energy electron diffraction for detailed structural determination of nanomaterials: Finite-size and disordered structures. Physical Review B, 2007, 75, .	1.1	13
137	Comparison of Interpolating Functions and Interpolating Points in Full-Wave Multilevel Green's Function Interpolation Method. IEEE Transactions on Antennas and Propagation, 2010, 58, 2691-2699.	3.1	13
138	A miniature monopole antenna for mobile communications. , 2000, 27, 262.		13
139	Application of a banded matrix iterative approach to monte carlo simulations of scattering of waves by a random rough surface: TM case. Microwave and Optical Technology Letters, 1993, 6, 148-151.	0.9	12
140	Pseudospectral time-domain (PSTD) method with unsplit-field PML. Microwave and Optical Technology Letters, 1999, 22, 278-283.	0.9	12
141	Combining the FDTD and PSTD methods. Microwave and Optical Technology Letters, 1999, 23, 249-254.	0.9	12
142	Efficient hybrid spatial and spectral techniques in analyzing planar periodic structures with nonuniform discretizations. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 1623-1627.	2.9	12
143	Application of preconditioned Krylov subspace iterative FFT techniques to method of lines for analysis of the infinite plane metallic grating. Microwave and Optical Technology Letters, 2002, 35, 160-167.	0.9	12
144	Theory of low-energy electron diffraction for detailed structural determination of nanomaterials: Ordered structures. Physical Review B, 2007, 75, .	1.1	12

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145	Efficient Analysis of Scattering by Multiple Moving Objects Using a Tailored MLFMA. IEEE Transactions on Antennas and Propagation, 2019, 67, 2023-2027.	3.1	12
146	Characteristic Mode Formulations for Penetrable Objects Based on Separation of Dissipation Power and Use of Single Surface Integral Equation. IEEE Transactions on Antennas and Propagation, 2021, 69, 1535-1544.	3.1	12
147	A Transparent Proximity-Coupled-Fed Patch Antenna With Enhanced Bandwidth and Filtering Response. IEEE Access, 2021, 9, 32774-32780.	2.6	12
148	Terahertz Circularly- and Linearly Polarized Leaky-Wave Antennas Based on Spin-Orbit Interaction of Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2021, 69, 4347-4358.	3.1	12
149	Spoof Surface Plasmon Polariton Filter With Reconfigurable Dual and Non-Linear Notched Characteristics. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2815-2819.	2.2	12
150	Retrodirective array for RFID and microwave tracking beacon applications. Microwave and Optical Technology Letters, 2006, 48, 409-411.	0.9	11
151	A Collimated Surface-Wave-Excited High-Impedance Surface Leaky-Wave Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2082-2085.	2.4	11
152	Guest Editorial Special Cluster on Three-Dimensional Printed Antennas and Electromagnetic Structures. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1998-2002.	2.4	11
153	Soft, Bistable Actuators for Reconfigurable 3D Electronics. ACS Applied Materials & Interfaces, 2021, 13, 41968-41977.	4.0	11
154	Millimeter-Wave and Terahertz OAM Discrete-Lens Antennas for 5G and Beyond. IEEE Communications Magazine, 2022, 60, 34-39.	4.9	11
155	Analysis of a thin slot discontinuity in the reference plane of a microstrip structure. IEEE Transactions on Microwave Theory and Techniques, 1993, 41, 1356-1362.	2.9	10
156	Anomalous properties of the band-edge states in large two-dimensional photonic quasicrystals. Physical Review B, 2007, 76, .	1.1	10
157	A compact wideband parallel- ϵ strip 180° hybrid coupler. Microwave and Optical Technology Letters, 2008, 50, 3271-3274.	0.9	10
158	Phase-Conjugated Arrays Using Low Conversion-Loss Resistive Phase-Conjugating Mixers and Stub-Loaded Patch Antennas. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1764-1773.	2.9	10
159	Cavity-Backed Circularly Polarized Dual-Loop Antenna With Wide Tunable Range. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 761-763.	2.4	10
160	Ultrawideband Composite Cavity-Backed Rounded Triangular Bowtie Antenna with Stable Patterns. Journal of Electromagnetic Waves and Applications, 2009, 23, 685-695.	1.0	10
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