

Eng Leong Tan

List of Publications by Year in descending order

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157
papers

1,768
citations

331538

21
h-index

360920

35
g-index

157
all docs

157
docs citations

157
times ranked

955
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Same-Sense Circularly Polarized Grid-Slotted Patch Antenna With Wide Axial Ratio Bandwidth. IEEE Transactions on Antennas and Propagation, 2022, 70, 1494-1498. | 3.1 | 3 |
| 2 | Improved Fourier Modal Method Analyzing 2-D Ultrathin Periodic Structures Without Solving Eigenvalues. IEEE Microwave and Wireless Components Letters, 2022, 32, 273-276. | 2.0 | 0 |
| 3 | From Time-Collocated to Leapfrog Fundamental Schemes for ADI and CDI FDTD Methods. Axioms, 2022, 11, 23. | 0.9 | 10 |
| 4 | Fundamental Equations of Electromagnetics Using Field-Impulses as Physical Field-Integrators. IEEE Transactions on Antennas and Propagation, 2022, 70, 3450-3458. | 3.1 | 2 |
| 5 | Efficient Implementation of Fourier Modal Method for 2-D Periodic Structures. IEEE Microwave and Wireless Components Letters, 2022, 32, 375-378. | 2.0 | 0 |
| 6 | Incident Plane-Wave Source Formulations for Leapfrog Complying-Divergence Implicit FDTD Method. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2022, 7, 84-91. | 1.4 | 6 |
| 7 | A Leapfrog Scheme for Complying-Divergence Implicit Finite-Difference Time-Domain Method. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 853-857. | 2.4 | 13 |
| 8 | Power divider with wideband harmonic suppression for center-fed antenna arrays. Microwave and Optical Technology Letters, 2021, 63, 3008. | 0.9 | 3 |
| 9 | Fundamental Leapfrog ADI and CDI FDTD Methods. , 2021, , . | | 3 |
| 10 | Multi-GPU based Leapfrog CDI-FDTD Method for Large-Scale Electromagnetic Problems. , 2021, , . | | 5 |
| 11 | Mobile Apps, Online Assessments and Examination for Electromagnetics Education. , 2021, , . | | 0 |
| 12 | Multiple LOD-FDTD Method for Inhomogeneous Coupled Transmission Lines and Stability Analyses. IEEE Transactions on Antennas and Propagation, 2020, 68, 2198-2205. | 3.1 | 4 |
| 13 | Demonstration of Electromagnetic Plane Wave Reflection and Transmission on iPad. , 2020, , . | | 0 |
| 14 | Multiple LOD-FDTD Method for Multiconductor Coupled Transmission Lines. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 201-208. | 1.4 | 6 |
| 15 | Mobile Teaching and Learning of Coupled-Line Structures: The multiple-1D coupled-line finite-difference time-domain method. IEEE Antennas and Propagation Magazine, 2020, 62, 62-69. | 1.2 | 3 |
| 16 | Comparison of Vector Fitting and Contour Integration Methods for Pole-Zero Analysis of Microwave Filters. , 2020, , . | | 0 |
| 17 | FUNDAMENTAL IMPLICIT FDTD SCHEMES FOR COMPUTATIONAL ELECTROMAGNETICS AND EDUCATIONAL MOBILE APPS (INVITED REVIEW). Progress in Electromagnetics Research, 2020, 168, 39-59. | 1.6 | 22 |
| 18 | Numerical Stability Analysis of M1-D ADI-FDTD Method for Coupled Transmission Lines. , 2019, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | M1-D FDTD Methods for Mobile Interactive Teaching and Learning of Wave Propagation in Transmission Lines [Education Corner]. IEEE Antennas and Propagation Magazine, 2019, 61, 119-126. | 1.2 | 5 |
| 20 | Teaching and Learning Electromagnetic Plane Wave Reflection and Transmission Using 3D TV [Education Corner]. IEEE Antennas and Propagation Magazine, 2019, 61, 101-108. | 1.2 | 6 |
| 21 | Source-Incorporated M1-D FADI-FDTD Method for Coupled Transmission Lines. , 2019, , . | | 0 |
| 22 | Bidirectional Linearly Polarized Grid-slotted Patch Antenna with Gielis-shaped Patch. , 2019, , . | | 1 |
| 23 | Multiple 1-D Fundamental ADI-FDTD Method for Coupled Transmission Lines on Mobile Devices. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2019, 4, 198-206. | 1.4 | 8 |
| 24 | Simulation of Coupled Transmission Lines on Mobile Devices using Multiple One-Dimensional Coupled Line FDTD Methods. , 2019, , . | | 0 |
| 25 | Design of Planar Mushroom-Shaped Wideband Monopole Antenna Using Gielis Curves. , 2018, , . | | 0 |
| 26 | Multiple One-Dimensional Finite-Difference Time-Domain Method for Asymmetric Coupled Transmission Lines. , 2018, , . | | 0 |
| 27 | Most energy-efficient input voltage function for RC delay line. , 2018, , . | | 2 |
| 28 | Unconditionally Stable Multiple One-Dimensional ADI-FDTD Method for Coupled Transmission Lines. IEEE Transactions on Antennas and Propagation, 2018, 66, 7488-7492. | 3.1 | 13 |
| 29 | Design of Wideband Bowtie Slot Antenna Using Sectorially Modified Gielis Curves. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2237-2240. | 2.4 | 10 |
| 30 | Application of Belevitch Theorem for Pole-Zero Analysis of Microwave Filters With Transmission Lines and Lumped Elements. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4669-4676. | 2.9 | 7 |
| 31 | 1 to 4 Way wideband power divider using substrate integrated waveguide and modified Wilkinson structures. , 2018, , . | | 2 |
| 32 | Demonstration of electromagnetic waves propagation along transmission lines on iPad. , 2018, , . | | 1 |
| 33 | Teaching and Learning Electromagnetic Polarization Using Mobile Devices [Education Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 112-121. | 1.2 | 11 |
| 34 | Interconnected Multi-1-D FADI- and FLOD-FDTD Methods for Transmission Lines With Interjunctions. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 684-692. | 2.9 | 16 |
| 35 | Non-uniform Time-Step FLOD-FDTD Method for Multiconductor Transmission Lines Including Lumped Elements. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1983-1992. | 1.4 | 8 |
| 36 | Stability analyses of non-uniform time-step schemes for ADI- and LOD-FDTD methods. , 2017, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Demonstration of electromagnetic polarization app on iPad. , 2017, , . | | 6 |
| 38 | Mobile device aided teaching and learning of electromagnetic polarization. , 2017, , . | | 1 |
| 39 | Optimum lowest input energy for first-order circuits in transient state. , 2017, , . | | 3 |
| 40 | Stability Analyses of Nonuniform Time-Step LOD-FDTD Methods for Electromagnetic and Thermal Simulations. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2017, 2, 183-193. | 1.4 | 13 |
| 41 | Compact combined antenna with slit for monopolar input pulse. , 2017, , . | | 0 |
| 42 | Tunable Raman soliton beyond 2 Micron. , 2017, , . | | 0 |
| 43 | 3-D unified FLOD-FDTD method incorporated with lumped elements. , 2017, , . | | 0 |
| 44 | High-efficiency femtosecond Raman soliton generation with a tunable wavelength beyond $2\lambda/4m$. Optics Letters, 2017, 42, 1568. | 1.7 | 28 |
| 45 | DESIGN OF DUAL-BAND FILTERS WITH INDIVIDUALLY CONTROLLABLE PASSBAND RESPONSES AND ORDERS. Progress in Electromagnetics Research B, 2016, 68, 17-33. | 0.7 | 1 |
| 46 | Variants of second-order temporal-accurate 3-D FLOD-FDTD schemes with three split matrices. , 2016, , . | | 0 |
| 47 | Complex-envelope LOD-FDTD method for ionospheric propagation. , 2016, , . | | 5 |
| 48 | A De-embedding technique for diode-incorporated reconfigurable antenna simulation. , 2016, , . | | 0 |
| 49 | Dual-band filter design with pole-zero distribution in the complex frequency plane. , 2016, , . | | 2 |
| 50 | Fast alternating direction implicit method for efficient transient thermal simulation of integrated circuits. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2016, 29, 93-108. | 1.2 | 6 |
| 51 | Multiple One-Dimensional FDTD Method for Coupled Transmission Lines and Stability Condition. IEEE Microwave and Wireless Components Letters, 2016, 26, 864-866. | 2.0 | 17 |
| 52 | 3D nonuniform time step locally one-dimensional FDTD method. Electronics Letters, 2016, 52, 993-994. | 0.5 | 5 |
| 53 | Mid-IR supercontinuum pumped by femtosecond pulses from thulium doped all-fiber amplifier. Optics Express, 2016, 24, 13939. | 1.7 | 26 |
| 54 | Temporal and spatial deviation in F^2 peak parameters derived from FORMOSAT-3/COSMIC. Space Weather, 2016, 14, 391-405. | 1.3 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Derivation of the Most Energy-Efficient Source Functions by Using Calculus of Variations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 494-502. | 3.5 | 5 |
| 56 | Mid-IR Supercontinuum Generation Pumped by Femtosecond Thulium Doped Fiber Amplifier. , 2016, , . | | 0 |
| 57 | Efficient 3-D Fundamental LOD-FDTD Method Incorporated with Memristor. IEICE Transactions on Electronics, 2016, E99.C, 788-792. | 0.3 | 3 |
| 58 | TWO FINITE-DIFFERENCE TIME-DOMAIN METHODS INCORPORATED WITH MEMRISTOR. Progress in Electromagnetics Research M, 2015, 42, 153-158. | 0.5 | 3 |
| 59 | A microwave transmission line courseware based on multiple 1-D FDTD method on mobile devices. , 2015, , . | | 9 |
| 60 | Upgrading LOD-FDTD to efficient method with second-order accuracy. , 2015, , . | | 0 |
| 61 | Application of the fundamental LOD2-CD-FDTD method for antenna modeling. , 2015, , . | | 1 |
| 62 | A fundamental ADI-FDTD method with implicit update for magnetic fields in the second procedure. , 2015, , . | | 1 |
| 63 | Second-Order Temporal-Accurate Scheme for 3-D LOD-FDTD Method With Three Split Matrices. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1105-1108. | 2.4 | 6 |
| 64 | A Microstrip Circuit Tool Kit App with FDTD Analysis Including Lumped Elements. IEEE Microwave Magazine, 2015, 16, 74-80. | 0.7 | 28 |
| 65 | Impacts of solar activity on performance of the IRI-2012 model predictions from low to mid latitudes. Earth, Planets and Space, 2015, 67, . | 0.9 | 50 |
| 66 | On the field leakage of the leapfrog ADI-FDTD method for nonpenetrable targets. Microwave and Optical Technology Letters, 2014, 56, 1401-1405. | 0.9 | 8 |
| 67 | Novel dual-band dual-prototype bandpass filter. Microwave and Optical Technology Letters, 2014, 56, 1496-1498. | 0.9 | 4 |
| 68 | Pentadiagonal alternating-direction-implicit finite-difference time-domain method for two-dimensional Schrödinger equation. Computer Physics Communications, 2014, 185, 1886-1892. | 3.0 | 13 |
| 69 | Divergence-Preserving Alternating Direction Implicit Scheme for Multi-Pole Debye Dispersive Media. IEEE Microwave and Wireless Components Letters, 2014, 24, 69-71. | 2.0 | 6 |
| 70 | Efficient 3-D fundamental LOD-FDTD method with lumped elements. , 2014, , . | | 3 |
| 71 | Further Reinterpretation of Multi-Stage Implicit FDTD Schemes. IEEE Transactions on Antennas and Propagation, 2014, 62, 4407-4411. | 3.1 | 4 |
| 72 | An efficient total-field/scattered-field technique for the fundamental ADI-FDTD method. , 2014, , . | | 3 |

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| 73 | Validation of the IRI-2012 model with GPS-based ground observation over a low-latitude Singapore station. Earth, Planets and Space, 2014, 66, . | 0.9 | 44 |
| 74 | Fundamental Locally One-Dimensional Method for 3-D Thermal Simulation. IEICE Transactions on Electronics, 2014, E97.C, 636-644. | 0.3 | 7 |
| 75 | Stable Formulation of FADI-FDTD Method for Multiterm, Doubly, Second-Order Dispersive Media. IEEE Transactions on Antennas and Propagation, 2013, 61, 4167-4175. | 3.1 | 13 |
| 76 | Novel Ultra-Wideband Filter Using Coplanar-Waveguide-to-Microstrip Transition and Stubs. Microwave and Optical Technology Letters, 2013, 55, 2269-2271. | 0.9 | 4 |
| 77 | A polarization-reconfigurable filtering antenna system: a visual approach to investigating the bandwidth of transmission lines with non-zero impedance [education column]. IEEE Antennas and Propagation Magazine, 2013, 55, 197-235. | 1.2 | 5 |
| 78 | Unconditionally Stable Fundamental LOD-FDTD Method With Second-Order Temporal Accuracy and Complying Divergence. IEEE Transactions on Antennas and Propagation, 2013, 61, 2630-2638. | 3.1 | 30 |
| 79 | Convolutional perfectly matched layer (CPML) for fundamental LOD-FDTD method with 2^{nd} order temporal accuracy and complying divergence. , 2013, , . | | 0 |
| 80 | Split-step finite-difference time-domain method with perfectly matched layers for efficient analysis of two-dimensional photonic crystals with anisotropic media. Optics Letters, 2012, 37, 326. | 1.7 | 4 |
| 81 | Fundamental ADI-FDTD method for multiple-pole Debye dispersive media. , 2012, , . | | 1 |
| 82 | Divergence of electric field or the two-dimensional (2-D) leapfrog ADI-FDTD method. , 2012, , . | | 4 |
| 83 | Mur absorbing boundary condition for 2-D leapfrog ADI-FDTD method. , 2012, , . | | 7 |
| 84 | Out-of-band conducted susceptibility measurement and analysis of VHF/FM communication system. , 2012, , . | | 1 |
| 85 | Current source implementations for fundamental SS2-FDTD method. , 2012, , . | | 2 |
| 86 | A low cost omnidirectional high gain active integrated antenna for WLAN applications. , 2012, , . | | 3 |
| 87 | Graphical Analysis of Stabilization Loss and Gains for Three-Port Networks. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1635-1640. | 2.9 | 6 |
| 88 | Efficient algorithm or 3-D thermal alternating-direction-implicit method. , 2012, , . | | 1 |
| 89 | Some recent developments in fundamental implicit FDTD schemes. , 2012, , . | | 3 |
| 90 | Analysis of the Divergence Properties for the Three-Dimensional Leapfrog ADI-FDTD Method. IEEE Transactions on Antennas and Propagation, 2012, 60, 5801-5808. | 3.1 | 22 |

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| 91 | UNCONDITIONALLY STABLE LEAPFROG ADI-FDTD METHOD FOR LOSSY MEDIA. Progress in Electromagnetics Research M, 2012, 26, 173-786. | 0.5 | 23 |
| 92 | MODELING THE INTERACTION OF TERAHERTZ PULSE WITH HEALTHY SKIN AND BASAL CELL CARCINOMA USING THE UNCONDITIONALLY STABLE FUNDAMENTAL ADI-FDTD METHOD. Progress in Electromagnetics Research B, 2012, 37, 365-386. | 0.7 | 16 |
| 93 | STABILITY AND DISPERSION ANALYSIS FOR THREE-DIMENSIONAL (3-D) LEAPFROG ADI-FDTD METHOD. Progress in Electromagnetics Research M, 2012, 23, 1-12. | 0.5 | 24 |
| 94 | RFID enabled handheld solution for aerospace MRO operations track and trace. , 2011, , . | | 3 |
| 95 | Analytic Fields With Higher-Order Compensations for 3-D FDTD TF/SF Formulation With Application to Beam Excitations. IEEE Transactions on Antennas and Propagation, 2011, 59, 2588-2598. | 3.1 | 7 |
| 96 | Efficient Complex Envelope ADI-FDTD Method for the Analysis of Anisotropic Photonic Crystals. IEEE Photonics Technology Letters, 2011, 23, 801-803. | 1.3 | 5 |
| 97 | Lyapunov and Matrix Norm Stability Analysis of ADI-FDTD Schemes for Doubly Lossy Media. IEEE Transactions on Antennas and Propagation, 2011, 59, 979-986. | 3.1 | 8 |
| 98 | Modeling hemoglobin at optical frequency using the unconditionally stable fundamental ADI-FDTD method. Biomedical Optics Express, 2011, 2, 1169. | 1.5 | 7 |
| 99 | Modeling magnetic photonic crystals with lossy ferrites using an efficient complex envelope alternating-direction-implicit finite-difference time-domain method. Optics Letters, 2011, 36, 1494. | 1.7 | 7 |
| 100 | Investigation and suppression of the pump-to-Stokes relative intensity noise transfer in chalcogenide waveguide Raman laser. Optics Letters, 2011, 36, 2366. | 1.7 | 0 |
| 101 | UNIFIED EFFICIENT FUNDAMENTAL ADI-FDTD SCHEMES FOR LOSSY MEDIA. Progress in Electromagnetics Research B, 2011, 32, 217-242. | 0.7 | 13 |
| 102 | A NOVEL DUAL-BAND BANDPASS FILTER USING GENERALIZED TRISECTION STEPPED IMPEDANCE RESONATOR WITH IMPROVED OUT-OF-BAND PERFORMANCE. Progress in Electromagnetics Research Letters, 2011, 21, 31-40. | 0.4 | 7 |
| 103 | DESIGN OF BROADBAND CIRCULAR POLARIZATION TRUNCATED HORN ANTENNA WITH SINGLE FEED. Progress in Electromagnetics Research C, 2011, 24, 197-206. | 0.6 | 7 |
| 104 | Analytic fields of a focused beam with higher-order compensations for FDTD TF/SF formulation. , 2011, , . | | 0 |
| 105 | A novel multipassband filter using asymmetric radial stubs. Microwave and Optical Technology Letters, 2010, 52, 2819-2821. | 0.9 | 1 |
| 106 | Generalized eigenproblem of hybrid matrix for Floquet wave propagation in one-dimensional phononic crystals with solids and fluids. Ultrasonics, 2010, 50, 91-98. | 2.1 | 18 |
| 107 | GPU-ACCELERATED FUNDAMENTAL ADI-FDTD WITH COMPLEX FREQUENCY SHIFTED CONVOLUTIONAL PERFECTLY MATCHED LAYER. Progress in Electromagnetics Research M, 2010, 14, 177-192. | 0.5 | 21 |
| 108 | Generalized Stability Criterion of 3-D FDTD Schemes for Doubly Lossy Media. IEEE Transactions on Antennas and Propagation, 2010, 58, 1421-1425. | 3.1 | 5 |

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| 109 | A Split-Step FDTD Method for 3-D Maxwell's Equations in General Anisotropic Media. IEEE Transactions on Antennas and Propagation, 2010, 58, 3647-3657. | 3.1 | 16 |
| 110 | Acceleration of LOD-FDTD Method Using Fundamental Scheme on Graphics Processor Units. IEEE Microwave and Wireless Components Letters, 2010, 20, 648-650. | 2.0 | 33 |
| 111 | Mur Absorbing Boundary Condition for Efficient Fundamental 3-D LOD-FDTD. IEEE Microwave and Wireless Components Letters, 2010, 20, 61-63. | 2.0 | 14 |
| 112 | Simplified parameter extraction method for modeling on-chip spiral inductors. , 2010, , . | | 0 |
| 113 | DISPERSION ANALYSIS OF FDTD SCHEMES FOR DOUBLY LOSSY MEDIA. Progress in Electromagnetics Research B, 2009, 17, 327-342. | 0.7 | 11 |
| 114 | Implementation of mur first order absorbing boundary condition in efficient 3-D ADI-FDTD. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , . | 0.0 | 3 |
| 115 | Implementation of total-field/scattered-field technique in the 2-D LOD-FDTD method. , 2009, , . | | 4 |
| 116 | Split-field PML implementation for the efficient fundamental ADI-FDTD method. , 2009, , . | | 2 |
| 117 | Efficient tensor based FDTD scheme for modeling sloped interfaces in lossy media. Microwave and Optical Technology Letters, 2009, 51, 1530-1537. | 0.9 | 0 |
| 118 | Simple and stable analysis of multilayered anisotropic materials for design of absorbers and shields. Materials & Design, 2009, 30, 2061-2066. | 5.1 | 11 |
| 119 | Generalized eigenproblem of hybrid matrix for Bloch-Floquet waves in one-dimensional photonic crystals. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 676. | 0.9 | 11 |
| 120 | Modeling Debye dispersive media using efficient ADI-FDTD method. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , . | 0.0 | 3 |
| 121 | FDTD Modeling for Dispersive Media Using Matrix Exponential Method. IEEE Microwave and Wireless Components Letters, 2009, 19, 53-55. | 2.0 | 13 |
| 122 | Efficient implementation of 3-D ADI-FDTD method for lossy media. , 2009, , . | | 8 |
| 123 | Corrected Impulse Invariance Method in Z-Transform Theory for Frequency-Dependent FDTD Methods. IEEE Transactions on Antennas and Propagation, 2009, 57, 2683-2690. | 3.1 | 9 |
| 124 | Efficient Algorithms for Crank-Nicolson-Based Finite-Difference Time-Domain Methods. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 408-413. | 2.9 | 48 |
| 125 | Fundamental Schemes for Efficient Unconditionally Stable Implicit Finite-Difference Time-Domain Methods. IEEE Transactions on Antennas and Propagation, 2008, 56, 170-177. | 3.1 | 183 |
| 126 | Corrected impulse invariance method for dispersive media using FDTD. , 2008, , . | | 1 |

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| 127 | Hybrid Matrix Method for Stable Analysis of Electromagnetic Waves in Stratified Bianisotropic Media. IEEE Microwave and Wireless Components Letters, 2008, 18, 653-655. | 2.0 | 21 |
| 128 | Split-Step Finite-Difference Time-Domain Method with fourth order accuracy in time. , 2008, , . | | 4 |
| 129 | Modeling Lorentz dispersive media in FDTD using the exponential time differencing method. , 2008, , . | | 3 |
| 130 | ADI-FDTD Method With Fourth Order Accuracy in Time. IEEE Microwave and Wireless Components Letters, 2008, 18, 296-298. | 2.0 | 20 |
| 131 | Generalized eigenproblem of hybrid matrix method for stable analysis of periodic multilayered bianisotropic media. , 2008, , . | | 1 |
| 132 | GENERALIZED EIGENPROBLEM FOR ACOUSTIC WAVE PROPAGATION IN PERIODICALLY LAYERED ANISOTROPIC MEDIA. Journal of Computational Acoustics, 2008, 16, 1-10. | 1.0 | 5 |
| 133 | Geometrical stability criteria for two-port networks in invariant immittance parameters representation. , 2008, , . | | 1 |
| 134 | Matrix Algorithms for Modeling Acoustic Waves in Piezoelectric Multilayers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2016-2023. | 1.7 | 23 |
| 135 | Unconditionally Stable LOD FDTD Method for 3-D Maxwell's Equations. IEEE Microwave and Wireless Components Letters, 2007, 17, 85-87. | 2.0 | 166 |
| 136 | Concise Current Source Implementation for Efficient 3-D ADI-FDTD Method. IEEE Microwave and Wireless Components Letters, 2007, 17, 748-750. | 2.0 | 16 |
| 137 | Stability and Dispersion Analysis for ADI-FDTD Method in Lossy Media. IEEE Transactions on Antennas and Propagation, 2007, 55, 1095-1102. | 3.1 | 27 |
| 138 | Efficient Algorithm for the Unconditionally Stable 3-D ADI FDTD Method. IEEE Microwave and Wireless Components Letters, 2007, 17, 7-9. | 2.0 | 33 |
| 139 | Fully integrated frequency synthesizer design for wireless network application with digital programmability. Microwave and Optical Technology Letters, 2007, 49, 2579-2582. | 0.9 | 3 |
| 140 | Hybrid compliance-stiffness matrix method for stable analysis of elastic wave propagation in multilayered anisotropic media. Journal of the Acoustical Society of America, 2006, 119, 45-53. | 0.5 | 57 |
| 141 | Hybrid-matrix algorithm for rigorous coupled-wave analysis of multilayered diffraction gratings. Journal of Modern Optics, 2006, 53, 417-428. | 0.6 | 16 |
| 142 | Unconditionally Stable FDTD Technique Including Passive Lumped Elements. , 2006, , . | | 1 |
| 143 | Enhanced R-matrix algorithms for multilayered diffraction gratings. Applied Optics, 2006, 45, 4803. | 2.1 | 5 |
| 144 | Unconditionally Stable ADI-FDTD Method Including Passive Lumped Elements. IEEE Transactions on Electromagnetic Compatibility, 2006, 48, 661-668. | 1.4 | 22 |

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| 145 | Alternative implementation of combined-field integral equation using Rao's "Wilton" Glisson basis functions for conducting scatterers. Microwave and Optical Technology Letters, 2006, 48, 753-756. | 0.9 | 1 |
| 146 | Quasi-invariant single-parameter criterion for unconditional stability: Review and application. , 2006, , . | | 4 |
| 147 | A compact higher-order ADI-FDTD method. Microwave and Optical Technology Letters, 2005, 44, 273-275. | 0.9 | 18 |
| 148 | LC oscillator design at 10-GHz using substrate capacitance with scalable varactor parameters extraction technique. , 2005, , . | | 4 |
| 149 | Stiffness matrix method with improved efficiency for elastic wave propagation in layered anisotropic media. Journal of the Acoustical Society of America, 2005, 118, 3400-3403. | 0.5 | 40 |
| 150 | Simple derivation and proof of geometrical stability criteria for linear two-ports. Microwave and Optical Technology Letters, 2004, 40, 81-83. | 0.9 | 8 |
| 151 | Reduced conditions for the constitutive parameters of lossy bi-anisotropic media. Microwave and Optical Technology Letters, 2004, 41, 133-135. | 0.9 | 5 |
| 152 | A concise and efficient scattering matrix formalism for stable analysis of elastic wave propagation in multilayered anisotropic solids. Ultrasonics, 2003, 41, 229-236. | 2.1 | 25 |
| 153 | Note on formulation of the enhanced scattering- (transmittance-) matrix approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 1157. | 0.8 | 35 |
| 154 | A robust formulation of SAW Green's functions for arbitrarily thick multilayers at high frequencies. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 929-936. | 1.7 | 29 |
| 155 | Unbounded and scattered field representations of the Dyadic Green's functions for planar stratified bianisotropic media. IEEE Transactions on Antennas and Propagation, 2001, 49, 1218-1225. | 3.1 | 16 |
| 156 | Dyadic Green's functions for circular waveguides filled with biisotropic media. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 1134-1137. | 2.9 | 6 |
| 157 | Coordinate-independent dyadic formulation of the dispersion relation for bianisotropic media. IEEE Transactions on Antennas and Propagation, 1999, 47, 1820-1824. | 3.1 | 6 |