# Linsheng Wu

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 288 papers | 3,295 citations | 196777 29 h-index | 223390 49 g-index |
| 290 all docs | 290 docs citations | 290 times ranked | 2899 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Flat-Passband Predistorted Bandpass Filter With Folded Substrate Integrated Waveguide. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 324-328. | 2.2 | 10 |
| 2 | An Adaptive High-Order Transient Algorithm to Solve Large-Scale Anisotropic Maxwellâ€™s Equations. IEEE Transactions on Antennas and Propagation, 2022, 70, 2082-2092. | 3.1 | 20 |
| 3 | Fourier Subspace-Based Deep Learning Method for Inverse Design of Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2022, 70, 5130-5143. | 3.1 | 17 |
| 4 | An Unequal Wilkinson Power Divider Based on Integrated Passive Device Technology and Parametric Model. IEEE Microwave and Wireless Components Letters, 2022, 32, 281-284. | 2.0 | 3 |
| 5 | Multiphysics Computation for Resistive Random Access Memories With Different Metal Oxides. IEEE Transactions on Electron Devices, 2022, 69, 133-140. | 1.6 | 3 |
| 6 | Conductive Bridging-Based Memristive RF Switches on a Silicon Substrate. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 24-34. | 2.9 | 3 |
| 7 | A Ku-Band Eight-Element Phased-Array Transmitter With Built-in Self-Test Capability in 180-nm CMOS Technology. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2022, 30, 694-705. | 2.1 | 6 |
| 8 | A High-Sensitivity Magnetic-Field Resonant Probe Based on Embedded Stripline Structure. , 2022, , . | | 1 |
| 9 | A Near-Field Motion Detection Technique Based on a Resonant Magnetic Probe. , 2022, 6, 1-4. | | 1 |
| 10 | Hexahedron-Based Control Volume Finite Element Method for Fully Coupled Nonlinear Drift-Diffusion Transport Equations in Semiconductor Devices. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2965-2978. | 2.9 | 3 |
| 11 | A Method of Introducing Coupling Null by Shorting Pins for Stacked Microstrip Patch Antenna Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 6030-6035. | 3.1 | 2 |
| 12 | Adversarial-Network Regularized Inverse Design of Frequency-Selective Surface With Frequency-Temporal Deep Learning. IEEE Transactions on Antennas and Propagation, 2022, 70, 9460-9469. | 3.1 | 9 |
| 13 | Transmission Line Modeling and Crosstalk Analysis of Multibraided Shielded TWP/Twinax Cables. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1560-1573. | 1.4 | 4 |
| 14 | A Physics-based Compact Model for Set Process of Resistive Random Access Memory (RRAM) with Graphene Electrode. , 2022, , . | | 0 |
| 15 | Transmission Line Model of Field-to-wire Coupling with Shielded TWP/Twinax Cables with line Apertures. , 2022, , . | | 2 |
| 16 | A Microstrip Dual-Split-Ring Antenna Array for 5G Millimeter-Wave Dual-Band Applications. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 2025-2029. | 2.4 | 7 |
| 17 | Rigorous Modeling and Investigation of Low-Field Hole Mobility in Silicon and Germanium Gate-All-Around Nanosheet Transistors. IEEE Transactions on Electron Devices, 2022, 69, 4777-4785. | 1.6 | 1 |
| 18 | A Wideband CMOS Frequency Quadrupler With Transformer-Based Tail Feedback Loop. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1153-1157. | 2.2 | 12 |

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| 19 | A Hybrid Streamline Upwind Finite Volume-Finite Element Method for Semiconductor Continuity Equations. IEEE Transactions on Electron Devices, 2021, 68, 5421-5429. | 1.6 | 4 |
| 20 | A New Gysel Out-of-Phase Power Divider With Arbitrary Power Dividing Ratio Based on Analysis Method of Equivalence of N-Port Networks. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1335-1343. | 2.9 | 3 |
| 21 | An Overview of Probe-Based Millimeter-Wave/Terahertz Far-Field Antenna Measurement Setups [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2021, 63, 63-118. | 1.2 | 19 |
| 22 | A Ka-Band Circularly-Polarized Filtering Antenna Array with A Hybrid Feeding Network. , 2021, , . | | 0 |
| 23 | A Cross Dipole Antenna Array in LTCC for Satellite Communication. , 2021, , . | | 0 |
| 24 | Microstrip Grid and Patch-Based Dual-Band Shared-Aperture Differentially Fed Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1043-1047. | 2.4 | 17 |
| 25 | EMI Analysis of Multiscale Transmission Line Network Using a Hybrid FDTD Method. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1202-1211. | 1.4 | 6 |
| 26 | High-Speed Efficient On-Chip Electro-Optic Modulator Based on Midinfrared Hyperbolic Metamaterials. Physical Review Applied, 2021, 16, . | 1.5 | 6 |
| 27 | Comparative Analysis of Out-of-Band Power Handling Capacities for Lossy Filters. , 2021, , . | | 0 |
| 28 | Lumped-Network FDTD Method for Simulating Transient Responses of RF Amplifiers Excited by Intentional Electromagnetic Interference Signals. IEEE Transactions on Electromagnetic Compatibility, 2021, , 1-10. | 1.4 | 1 |
| 29 | Impact of On-Wafer Probe on the Radiation Measurement of a Filtering Antenna-in-Package. , 2021, , . | | 2 |
| 30 | An Integrated K-Band Receiving Front-End Module for Satellite Communication. , 2021, , . | | 0 |
| 31 | Stochastic Analysis of Braided-Shielded TWP/Twinax Cables with Random Nonuniform Shield Parameters. , 2021, , . | | 3 |
| 32 | Transmission Line Model of Field-to-Wire Coupling with Transmission Line Cables From Near and Far Field Sources. , 2021, , . | | 2 |
| 33 | An Integrated K-Band Receiving Front-End Module for Satellite Communication. , 2021, , . | | 0 |
| 34 | Dual-Band Differential Shifted-Feed Microstrip Grid Array Antenna With Two Parasitic Patches. IEEE Transactions on Antennas and Propagation, 2020, 68, 2434-2439. | 3.1 | 30 |
| 35 | Modeling electromagnetic wave coupling and mode conversion effects in multitwisted bundle of twistedâ€wire pairs (MTBâ€TWP) above ground plane. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2539. | 1.2 | 9 |
| 36 | Investigation on harmonic spur characteristics of hybrid integrated LDMOS and AlGaN / GaN power amplifiers at different temperatures. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22345. | 0.8 | 0 |

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| 37 | Massively Parallel Electromagneticâ€"Thermal Cosimulation of Large Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1551-1555. | 2.4 | 12 |
| 38 | Electrothermal Modeling and Simulation of Resistive Random Access Memory (RRAM) with Different Resistive Switching Oxides. , 2020, , . | | 0 |
| 39 | Smart Antenna System with Memcapacitors. , 2020, , . | | 0 |
| 40 | A Novel Leaky Wave Endfire Filtering Antenna Based on Spoof Surface Plasmon Polaritons. IEEE Transactions on Plasma Science, 2020, 48, 3061-3066. | 0.6 | 22 |
| 41 | A 68.5~90 GHz High-Gain Power Amplifier With Capacitive Stability Enhancement Technique in 0.13 Î¼m SiGe BiCMOS. IEEE Transactions on Microwave Theory and Techniques, 2020, , 1-1. | 2.9 | 4 |
| 42 | A Novel Design of Compact Out-of-Phase Power Divider With Arbitrary Ratio. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5235-5243. | 2.9 | 4 |
| 43 | Efficient Analytical Model for the Transfer Impedance and Admittance of Noncoaxial/Twinax Braidedâ€"Shielded Cables. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2725-2736. | 1.4 | 14 |
| 44 | Magnetic Metamirrors as Spatial Frequency Filters. IEEE Transactions on Antennas and Propagation, 2020, 68, 5505-5511. | 3.1 | 6 |
| 45 | Modeling and Simulation of Resistive Random Access Memory With Graphene Electrode. IEEE Transactions on Electron Devices, 2020, 67, 915-921. | 1.6 | 11 |
| 46 | Stochastic Analysis of Multitwisted Cables With Random Parameters Excited by Random Plane-Wave Fields. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2084-2095. | 1.4 | 11 |
| 47 | Differential Microwave Microfluidic Sensor Based on Microstrip Complementary Split-Ring Resonator (MCSRR) Structure. IEEE Sensors Journal, 2020, 20, 5876-5884. | 2.4 | 74 |
| 48 | Fully coupled electrothermal simulation of resistive random access memory (RRAM) array. Science China Information Sciences, 2020, 63, 1. | 2.7 | 3 |
| 49 | A Hybrid Method Based on Leapfrog ADI-FDTD and FDTD for Solving Multiscale Transmission Line Network. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 273-280. | 1.4 | 7 |
| 50 | A New Compact Power Divider Based on Capacitor Central Loaded Coupled Microstrip Line. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4249-4256. | 2.9 | 11 |
| 51 | High-Speed Transmission Cable Performance- Simulations and Measurements. , 2020, , . | | 0 |
| 52 | A Fast Time Domain Electric Field Integral Equations for Predicting Transient Responses of Dielectric Objects. , 2020, , . | | 0 |
| 53 | Intelligent RF Circuits and Systems with Memory Elements. , 2020, , . | | 1 |
| 54 | Characterization of Electromagnetic Wave Coupling With a Noncoaxial Cable with Apertures on its Shield. , 2020, , . | | 4 |

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| 55 | Liquid crystalâ€based beam switchable threeâ€element microstrip parasitic array. IET Microwaves, Antennas and Propagation, 2020, 14, 1857-1861. | 0.7 | 0 |
| 56 | Design, Fabrication and Measurement of TaN Thin Film Resistor Based on MEMS Technology. , 2020, , . | | 1 |
| 57 | Mutual Coupling Analysis of High-Directivity Stacked Patch Array for 77 GHz MIMO Radar. , 2020, , . | | 1 |
| 58 | Synthesis of Acoustic-Wave Duplexer Without Lumped Elements Shunted to Output Ports. , 2020, , . | | 0 |
| 59 | Microstrip Memristive Switch and Its Applications to RF Devices. , 2020, , . | | 1 |
| 60 | Comparative Design of 28 GHz SPDT Switches with GaAs Passive pHEMTs and Diodes. , 2020, , . | | 0 |
| 61 | Memristive Switch for Intelligent RF Applications. , 2020, , . | | 1 |
| 62 | A Fully-Reconfigurable Coupler with Lumped Elements. , 2020, , . | | 0 |
| 63 | Characterization of Electromagnetic Wave Coupling With a Twisted Bundle of Twisted Wire Pairs (TBTWPs) Above a Ground Plane. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 251-260. | 1.4 | 30 |
| 64 | Modeling of Circularly Polarized Stacked Patch Antenna. , 2019, , . | | 3 |
| 65 | Modeling of Slow-wave Si-BCB Transmission Line Loaded With Stepped Impedance Resonators. , 2019, , . | | 0 |
| 66 | Liquid Crystal-Based Polarization Reconfigurable Cross-Slot Fed Patch Antenna. , 2019, , . | | 1 |
| 67 | A Balanced-to-Balanced Rat-Race Coupling Network Based on Defected Slots. IEEE Microwave and Wireless Components Letters, 2019, 29, 459-461. | 2.0 | 13 |
| 68 | Terahertz frequency selective surface based on metalâ€graphene structure with independent frequency tuneability. IET Microwaves, Antennas and Propagation, 2019, 13, 911-916. | 0.7 | 6 |
| 69 | W band Substrate-integrated Slot Antenna-in-package Using Higher Order Mode. , 2019, , . | | 0 |
| 70 | Stochastic Analysis of Multi-Twisted Bundle of Twisted-Wire Pairs (MTB-TWP) Above Ground Plane With Random Non-uniform Twisting. , 2019, , . | | 2 |
| 71 | A Wideband Microstrip-Fed Dielectric Resonator Antenna Array With Defected Ground Structure. , 2019, , . | | 1 |
| 72 | Active Integrated Dielectric Resonator Antenna-in-Package Design. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2414-2418. | 2.4 | 6 |

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| 73 | An Improved MOD Discontinuous Galerkin Method for Solving Time-Domain Electric Field Integral Equation. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 851-855. | 2.4 | 1 |
| 74 | A Single-Ended-to-Balanced Impedance-Transforming Branch-Line Coupler With Arbitrary Power Division Ratio. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 949-956. | 2.9 | 12 |
| 75 | Mini-Review: Modeling and Performance Analysis of Nanocarbon Interconnects. Applied Sciences (Switzerland), 2019, 9, 2174. | 1.3 | 27 |
| 76 | A General Method for Balanced-to-Unbalanced Filtering Out-of-Phase Power Divider Design. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2693-2700. | 2.9 | 5 |
| 77 | An improved multifilamentary conduction model for multiphysics analysis of reset process in resistive random access memory. AIP Advances, 2019, 9, 045310. | 0.6 | 0 |
| 78 | Study on High-Density Integration Resistive Random Access Memory Array From Multiphysics Perspective by Parallel Computing. IEEE Transactions on Electron Devices, 2019, 66, 1747-1753. | 1.6 | 21 |
| 79 | An Improved Algorithm for Drift Diffusion Transport and Its Application on Large Scale Parallel Simulation of Resistive Random Access Memory Arrays. IEEE Access, 2019, 7, 31273-31285. | 2.6 | 9 |
| 80 | Fully Coupled Electrothermal Simulation of Large RRAM Arrays in the â€œThermal-Houseâ€• IEEE Access, 2019, 7, 3897-3908. | 2.6 | 11 |
| 81 | Performance Comparison Between Si and Ge pDG-FETs for Different Channel Lengths Based on Hole Transport Simulation. , 2019, , . | | 0 |
| 82 | Dual-Band Filter Based on Commensurate-Line Network. , 2019, , . | | 0 |
| 83 | Dual-Band Fabry-Perot Resonator Antenna Based on Hybrid Graphene-Metal Structure. , 2019, , . | | 0 |
| 84 | A Novel 76 and 94GHz Dual Band Bandpass Filter Using Multilayer Step Impedance Resonators (SIRs). , 2019, , . | | 0 |
| 85 | Phase Shifter Based on Surface Plasmon Polariton Wave in Patterned Graphene Structures. , 2019, , . | | 1 |
| 86 | Tunable Bandpass Graphene Frequency Selective Surface with Quasi-Elliptic Response. , 2019, , . | | 1 |
| 87 | Reconfigurable Branch-Line Coupler with Tunable Phase Difference. , 2019, , . | | 1 |
| 88 | Accurate Evaluation of Transmission Line Model at Higher Frequencies for Characterising Field-to-Wire Coupling of Coated Twisted-Wire Pair with a Grounded Conductor. , 2019, , . | | 0 |
| 89 | A Fast Time Domain PMCHW Equations for Predicting Transient Responses of Dielectric Objects. , 2019, , . | | 0 |
| 90 | Parallel Simulation of Fully Coupled Electrothermal Processes in Large-Scale Phase-Change Memory Arrays. IEEE Transactions on Electron Devices, 2019, 66, 5117-5125. | 1.6 | 8 |

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| 91 | On the Evaluation of the Common-Mode Current Along Twisted-Wire-Pairs. , 2019, , . | | 2 |
| 92 | 28-GHz High-Selectivity Bandpass Filters With Dual-Behavior Resonators Using GaAs Technology. IEEE Transactions on Plasma Science, 2019, 47, 5277-5282. | 0.6 | 20 |
| 93 | Massively Parallel Simulation of Antenna Array Using Domain Decomposition Method and a High-Performance Computing Scheme. , 2019, , . | | 5 |
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| 95 | Electrothermal Effects on Reliability of Vertical Resistive Random Access Memory Array by Parallel Computing. , 2019, , . | | 0 |
| 96 | Cavity model analysis of differential dualâ€polarised annularâ€ring patch antenna. IET Microwaves, Antennas and Propagation, 2019, 13, 1389-1393. | 0.7 | 3 |
| 97 | Quantum Transport Study of Si Ultrathin-Body Double-Gate pMOSFETs: <inline-formula> <tex-math notation="LaTeX">${l}$ </tex-math> </inline-formula>â€“<inline-formula> <tex-math notation="LaTeX">${V}$ </tex-math> </inline-formula>, <inline-formula> <tex-math notation="LaTeX">${C}$ </tex-math> </inline-formula>â€“<inline-f. IEEE Transactions on Electron Devices, 2019, 66, 655-663. | 1.6 | 7 |
| 98 | Frequency Band Ratio Analysis of Dual-Band Microstrip Grid Array Antennas. , 2019, , . | | 1 |
| 99 | All-Two-Dimensional-Material Hot Electron Transistor. IEEE Electron Device Letters, 2018, 39, 634-637. | 2.2 | 19 |
| 100 | Carrier Dynamics of Nanopillar Textured Ultrathin Si Film/PEDOT:PSS Heterojunction Solar Cell. IEEE Journal of Photovoltaics, 2018, 8, 757-762. | 1.5 | 3 |
| 101 | Ruggedness Characterization of Bonding Wire Arrays in LDMOSFET-Based Power Amplifiers. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1032-1041. | 1.4 | 5 |
| 102 | An Absorptive Balanced-to-Balanced Power Divider. IEEE Access, 2018, 6, 14613-14619. | 2.6 | 10 |
| 103 | A Multilevel Method With Novel Correction Strategy for Parallel Finite-Element Analysis of Electromagnetic Problems. IEEE Transactions on Antennas and Propagation, 2018, 66, 3787-3791. | 3.1 | 7 |
| 104 | Study on SAR Distribution of Human Body on the Vehicle Platform Using a Modified FDTD Method. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 840-848. | 1.4 | 6 |
| 105 | An Ultra-Wideband Filtering Hybrid Ring Coupler with Super Wide Upper Stopband. , 2018, , . | | 0 |
| 106 | A Flat-Passband Filter with Hybrid Structure of Substrate Integrated Waveguide and Microstrip Resonators Based on Predistorted Nonuniform-Q Method. , 2018, , . | | 2 |
| 107 | A Microstrip Grid Array Antenna for Dual Band Applications. , 2018, , . | | 3 |
| 108 | Filtering Antenna Based on Substrate Integrated Waveguide and Patch Resonators in LTCC. , 2018, , . | | 2 |

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| 109 | Stripline Fed Hollow Dielectric Resonator Antenna-in-Package with/without Metal Shielding. , 2018, , . | | 1 |
| 110 | Experiments and comparisons of power to failure for SiGe-based low-noise amplifiers under high-power microwave pulses. , 2018, , . | | 0 |
| 111 | A Compact Passive Equalizer Design for Differential Channels in TSV-Based 3-D ICs. IEEE Access, 2018, 6, 75278-75292. | 2.6 | 7 |
| 112 | Efficient Characterization of Field-to-Wire Coupling in Twisted-Wire Pair with a Reference Wire. , 2018, , . | | 4 |
| 113 | Theoretical and Experimental Investigation of HMSIW-Based High-Speed Data Transmission System Using QPSK Scheme. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1938-1947. | 1.4 | 5 |
| 114 | 183 GHz Frequency Selective Surface Using Aligned Eight-layer Microstructure. IEEE Electron Device Letters, 2018, , 1-1. | 2.2 | 3 |
| 115 | A Wideband Filtering Balanced-to-Unbalanced Out-of-Phase Power Divider. IEEE Microwave and Wireless Components Letters, 2018, 28, 870-872. | 2.0 | 15 |
| 116 | A 77GHz High-Directivity Antenna with Stacked Patches for Automotive Radar. , 2018, , . | | 2 |
| 117 | A Wavy-Pattern Antenna for Automotive Radar. , 2018, , . | | 0 |
| 118 | 45-Degree polarized microstrip grid arrays for millimeter-wave micro base station. , 2018, , . | | 2 |
| 119 | Ultra-Wideband Filtering 180Â° Hybrid Coupler With Super Wide Upper Stopband Using Swap Phase Inverter and Electromagnetic Bandgap Structures on Double-Sided Parallel-Strip Line. IEEE Access, 2018, 6, 41099-41106. | 2.6 | 10 |
| 120 | High-Frequency Electrothermal Characterization of TSV-Based Power Delivery Network. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 2171-2179. | 1.4 | 5 |
| 121 | A filter with equal-ripple negative group delay. , 2018, , . | | 5 |
| 122 | Experiments and Comparisons of Power to Failure for SiGe-Based Low-Noise Amplifiers Under High-Power Microwave Pulses. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1427-1435. | 1.4 | 12 |
| 123 | Substrate Integrated Waveguide Filter With Flat Passband Based on Complex Couplings. IEEE Microwave and Wireless Components Letters, 2018, 28, 494-496. | 2.0 | 18 |
| 124 | Microstrip-Fed Differential Dielectric Resonator Antenna and Array. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1736-1739. | 2.4 | 24 |
| 125 | A Low-Profile Broadband Bandpass Frequency Selective Surface With Two Rapid Band Edges for 5G Near-Field Applications. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 670-676. | 1.4 | 61 |
| 126 | Characterization of Near-Field Coupling Effects From Complicated Three-Dimensional Structures in Rectangular Cavities Using Fast Integral Equation Method. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 639-645. | 1.4 | 9 |

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| 127 | Tuning of the Contact Properties for High-Efficiency Si/PEDOT:PSS Heterojunction Solar Cells. ACS Energy Letters, 2017, 2, 556-562. | 8.8 | 75 |
| 128 | Analysis and Design of Inductorless Wideband Low-Noise Amplifier With Noise Cancellation Technique. IEEE Access, 2017, 5, 9389-9397. | 2.6 | 30 |
| 129 | Hybrid FDTD Method for Studying Electromagnetic Coupling Effects of Transmission Line Networks. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1650-1653. | 1.4 | 12 |
| 130 | Characterization of tunable graphene metasurfaces over an ultrawide terahertz band using a 1â€step leapfrog hybrid implicitâ€explicit FDTD method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2250. | 1.2 | 3 |
| 131 | Massively Parallel Simulation of Large-Scale Electromagnetic Problems Using One High-Performance Computing Scheme and Domain Decomposition Method. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1523-1531. | 1.4 | 34 |
| 132 | High-Frequency Analysis of Intercalated Multilayer Graphene (IMLG) and Implication for Tunable Terahertz Resonator Design. IEEE Access, 2017, 5, 7532-7541. | 2.6 | 5 |
| 133 | Absorptive Bandstop Filter With Prescribed Negative Group Delay and Bandwidth. IEEE Microwave and Wireless Components Letters, 2017, 27, 639-641. | 2.0 | 58 |
| 134 | A Wideband Millimeter-Wave Substrate Integrated Coaxial Line Array for High-Speed Data Transmission. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2789-2800. | 2.9 | 39 |
| 135 | Improved Hybrid Leapfrog ADI-FDTD Method for Simulating Near-Field Coupling Effects Among Multiple Thin Wire Monopole Antennas on a Complex Platform. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 618-626. | 1.4 | 8 |
| 136 | A Bandpass Graphene Frequency Selective Surface With Tunable Polarization Rotation for THz Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 662-672. | 3.1 | 66 |
| 137 | Tunable THz Multiband Frequency-Selective Surface Based on Hybrid Metalâ€"Graphene Structures. IEEE Nanotechnology Magazine, 2017, 16, 1132-1137. | 1.1 | 41 |
| 138 | LTCC based substrate integrated waveguide (SIW) bandpass filters with CPW transitions. , 2017, , . | | 2 |
| 139 | A new Fabry-Perot resonance antenna based on graphene. , 2017, , . | | 2 |
| 140 | A design of wide-band stacked patch antenna with extracted coupling matrix. , 2017, , . | | 1 |
| 141 | A fully planar broadband rat-race coupler with stepped-impedance and coupled microstrip lines. , 2017, , . | | 1 |
| 142 | Stacked patch array in LTCC for 28 GHz antenna-in-package applications. , 2017, , . | | 18 |
| 143 | A negative group delay tuner with stable insertion loss. , 2017, , . | | 3 |
| 144 | Fully Coupled Multiphysics Simulation of Crosstalk Effect in Bipolar Resistive Random Access Memory. IEEE Transactions on Electron Devices, 2017, 64, 3647-3653. | 1.6 | 29 |

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| 145 | Wideband filters on high-resistivity silicon substrate for 5G high-frequency applications. , 2017, , . | | 4 |
| 146 | FDTD modeling of reconfigurable reflectarray for generation of vortex radio waves. , 2017, , . | | 0 |
| 147 | Electrothermal co-simulation of a two-chip power delivery network in frequency domain. , 2017, , . | | 1 |
| 148 | Influence of channel length, thickness, and crystal orientation in ultra-scaled double-gate pMOSFETs. , 2017, , . | | 2 |
| 149 | An approach to 1-to-3 way microstrip balanced-to-balanced power divider/combiner. , 2017, , . | | 1 |
| 150 | Multiphysics modeling and simulation of ultra-thin channel Germanium on insulator (GeOI) MOSFETs. , 2017, , . | | 0 |
| 151 | Modeling and simulation of Si/PEDOT:PSS planar heterojunction photovoltaics by finite element method. , 2017, , . | | 1 |
| 152 | A Sinusoidally-Modulated Leaky-Wave Antenna With Gapped Graphene Ribbons. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3000-3004. | 2.4 | 31 |
| 153 | A balanced-to-balanced filtering gysel power divider with unequal power division. , 2017, , . | | 4 |
| 154 | Comparisons of power to failure for low-noise amplifiers under high-power microwave pulses. , 2017, , . | | 1 |
| 155 | Allâ€resonator based LTCC diplexer using substrateâ€integratedâ€waveguides. Electronics Letters, 2017, 53, 1410-1412. | 0.5 | 11 |
| 156 | Theoretical analysis of a reflected plate for OAM mode generation based on phase-shifting surface. , 2016, , . | | 0 |
| 157 | Improved hybrid leapfrog ADI-FDTD method for simulating complex electromagnetic environment effects (E3) on a warship with multi-wire antennas. , 2016, , . | | 2 |
| 158 | Fast characterization of hybrid near-field coupling effects of multi-PCBs in rectangular cavities with FFT-accelerated integral-equation method. , 2016, , . | | 0 |
| 159 | Theory of Reflective Phase-Shifting Surface for Generating Vortex Radio Waves. IEEE Transactions on Antennas and Propagation, 2016, 64, 4942-4948. | 3.1 | 7 |
| 160 | From computational electromagnetics to multiphysics methods and their applications. , 2016, , . | | 0 |
| 161 | A broadband graphene absorber with double Minkowski loops. , 2016, , . | | 0 |
| 162 | Design of switched-beam antenna for 60 GHz portable devices. , 2016, , . | | 0 |

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| 163 | Modeling and measurement of a novel shielding design in silicon interposer. , 2016, , . | | 2 |
| 164 | Conformal FDTD method for simulating the interaction of an EMP with multiple PEC/dielectric wedge structures. , 2016, , . | | 0 |
| 165 | Noununiform scaling technique for parallel-coupled pairs lossy filters. , 2016, , . | | 0 |
| 166 | Electrothermal Cosimulation of 3-D Carbon-Based Heterogeneous Interconnects. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 518-526. | 1.4 | 30 |
| 167 | A planar filtering crossover for three intersecting channels. , 2016, , . | | 9 |
| 168 | A transparent broadband absorber based on graphene. , 2016, , . | | 2 |
| 169 | Electrothermal Effects on Hot-Carrier Reliability in SOI MOSFETsâ€"AC Versus Circuit-Speed Random Stress. IEEE Transactions on Electron Devices, 2016, 63, 3669-3676. | 1.6 | 24 |
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| 171 | Lossy substrate integrated waveguide filter with flat passband. , 2016, , . | | 2 |
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