

# Yongrong Shi

## List of Publications by Year in descending order

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62  
papers

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| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Dual-Polarized Bandpass Frequency-Selective Surface With Quasi-Elliptic Response Based on Square Coaxial Waveguide. IEEE Transactions on Antennas and Propagation, 2018, 66, 1331-1339.                               | 5.1 | 57        |
| 2  | Novel $\sqrt{2}$ -Band LTCC Transition From Microstrip Line to Ridge Gap Waveguide and its Application in 77/79 GHz Antenna Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 915-924.                  | 5.1 | 38        |
| 3  | Novel $\sqrt{2}$ -Band Millimeter-Wave Transition From Microstrip Line to Groove Gap Waveguide for MMIC Integration and Antenna Application. IEEE Transactions on Antennas and Propagation, 2018, 66, 3172-3176.      | 5.1 | 33        |
| 4  | Multi-Functional Balanced-to-Unbalanced Filtering Power Dividers With Extended Upper Stopband. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1154-1158.                                     | 3.0 | 33        |
| 5  | Miniaturized W-Band Gap Waveguide Bandpass Filter Using the MEMS Technique for Both Waveguide and Surface Mounted Packaging. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 938-942.         | 3.0 | 32        |
| 6  | High-Selectivity Narrow- and Wide-band Input-Reflectionless Bandpass Filters with Intercoupled Dual-Behavior Resonators. IEEE Transactions on Plasma Science, 2020, 48, 446-454.                                      | 1.3 | 32        |
| 7  | $K_a$ -Band 8 $\times$ 8 Low-Sidelobe Slot Antenna Array Using a 1-to-64 High-Efficiency Network Designed by New Printed RGW Technology. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1248-1252.         | 4.0 | 29        |
| 8  | Low Insertion-Loss MMIC Bandpass Filter Using Lumped-Distributed Parameters for 5G Millimeter-Wave Application. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 98-108.            | 2.5 | 28        |
| 9  | Wideband and Miniaturized Forward-Wave Directional Coupler Using Periodical Parallel Plates and Vertical Meander Lines. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2402-2406.            | 3.0 | 26        |
| 10 | A Bandpass Push-Pull High Power Amplifier Based on SIW Filtering Balun Power Divider. IEEE Transactions on Plasma Science, 2019, 47, 4281-4286.   | 1.3 | 25        |
| 11 | Ultra-Low-Loss Millimeter-Wave LTCC Bandpass Filters Based on Flexible Design of Lumped and Distributed Circuits. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1123-1127.                  | 3.0 | 25        |
| 12 | Broadband High-Efficiency Quasi-Class-J Power Amplifier Based on Nonlinear Output Capacitance Effect. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2091-2095.                              | 3.0 | 24        |
| 13 | Balanced Rat-Race Couplers With Wideband Common-Mode Suppression. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4724-4732.  | 4.6 | 22        |
| 14 | A Novel Leaky Wave Endfire Filtering Antenna Based on Spoof Surface Plasmon Polaritons. IEEE Transactions on Plasma Science, 2020, 48, 3061-3066.   | 1.3 | 22        |
| 15 | W-Band LTCC Circularly Polarized Antenna Array With Mixed U-Type Substrate Integrated Waveguide and Ridge Gap Waveguide Feeding Networks. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2399-2403.        | 4.0 | 21        |
| 16 | 28-GHz High-Selectivity Bandpass Filters With Dual-Behavior Resonators Using GaAs Technology. IEEE Transactions on Plasma Science, 2019, 47, 5277-5282.   | 1.3 | 20        |
| 17 | Novel Differential Bandpass Filter Using Spoof Surface Plasmon Polaritons. IEEE Transactions on Plasma Science, 2020, 48, 2083-2088.  | 1.3 | 17        |
| 18 | Ultra-Wideband Suppression of Power/Ground Noise in High-Speed Circuits Using a Novel Electromagnetic Bandgap Power Plane. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 653-660. | 2.5 | 16        |

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|----|---|-----|-----------|
| 19 | Parallel Plate Mode Suppression in Low-Frequency Microwave Circuit Packages Using Lid of 3-D Cross by a 3-D Printing Technique. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1268-1271.                                | 2.2 | 16        |
| 20 | Millimeter-Wave Dual-Band Bandpass Filter With Large Bandwidth Ratio Using GaAs-Based Integrated Passive Device Technology. IEEE Electron Device Letters, 2021, 42, 493-496.  | 3.9 | 16        |
| 21 | Novel Ultrawideband and Multimode LTCC Common-Mode Filter Based on the Dual Vertical Coupling Paths. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1345-1353.                                       | 2.5 | 14        |
| 22 | Half-Air-Filled Ball-Grid-Array-Based Substrate-Integrated Groove-Gap Waveguide and its Transition to Microstrip at W-Band. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5145-5153.                                  | 4.6 | 14        |
| 23 | Dual-Band Branch-Line Couplers With Short/Open-Ended Stubs. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2497-2501.  | 3.0 | 14        |
| 24 | Analysis of the Propagation Constant of a Ridge Gap Waveguide and Its Application of Dual-Band Unequal Couplers. IEEE Transactions on Plasma Science, 2020, 48, 4163-4170.  | 1.3 | 12        |
| 25 | Analysis and Modeling of Wideband Common-Mode Absorption With Lossy Complementary Split-Ring Resonator Chain in Resistor-Free Differential Microstrip Lines. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1048-1058. | 4.6 | 12        |
| 26 | High Selectivity Balanced-to-Unbalanced Filtering Power Dividers Using Dual-Mode Ring Resonators. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 927-935.  | 2.5 | 11        |
| 27 | Silicon Interposer Package for MMIC Heterogeneous Integration Based on Gold/Solder Ball Flip-Chip Technique. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1659-1662.                               | 2.5 | 11        |
| 28 | A GaAs-Based Ultra-Wideband Common-Mode Filter Chip With Four Transmission Zeros and Equalization Integration. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2002-2011.   | 2.2 | 11        |
| 29 | Ridge Gap Waveguide Layer Transition for Compact 3-D Waveguide Packaging Application. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 2136-2139.  | 2.5 | 9         |
| 30 | W-Band Gap Waveguide Antenna Array: Passive/Active Component Gap Waveguide Transition Interface for System Integration. IEEE Antennas and Propagation Magazine, 2021, 63, 40-49.  | 1.4 | 9         |
| 31 | Compact three-dimensional bandpass FSS with high selectivity based on split square coaxial waveguide. Electronics Letters, 2019, 55, 1135-1137.   | 1.0 | 8         |
| 32 | Dual-band three-dimensional FSS with high selectivity and small band ratio. Electronics Letters, 2019, 55, 798-799.   | 1.0 | 8         |
| 33 | Bandpass Filter With Ultra-Wide Upper Stopband on GaAs IPD Technology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 389-393.   | 3.0 | 7         |
| 34 | Millimeter-Wave Double Ridge Gap Waveguide Six-Port Network Based on Multi-Via Mushroom. IEEE Transactions on Plasma Science, 2021, 49, 3778-3785.  | 1.3 | 7         |
| 35 | Mode Analysis of Miniaturized and Stopband-Enhanced Composite Electromagnetic Bandgap Structure for Power/Ground Noise Suppression. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 532-537.                              | 2.2 | 6         |
| 36 | Quad-Mode LTCC Surface Mounted Packaging Common-Mode Filter Based on the Asymmetric Short-Stub Loaded Resonator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1944-1948.                                     | 3.0 | 6         |

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|----|--|-----|-----------|
| 37 | 77/79-GHz Forward-Wave Directional Coupler Component Based on Microstrip and SIW for FMCW Radar Application. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1879-1888.             | 2.5 | 6         |
| 38 | Compact and low insertion loss UWB on-chip bandpass filter using coupled meandered line. Microwave and Optical Technology Letters, 2020, 62, 2236-2242.  | 1.4 | 6         |
| 39 | A Compact Millimeter-Wave Frequency Conversion SOP (System on Package) Module Based on LTCC Technology. IEEE Transactions on Vehicular Technology, 2020, 69, 5923-5932.  | 6.3 | 6         |
| 40 | A Dual-Polarized Bandpass Frequency Selective Surface With Stable Response. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 673-677.   | 4.0 | 6         |
| 41 | A Miniaturized Ka-Band Bandpass Filter Using Folded Hybrid Resonators Based on Monolithic Microwave Integrated Circuit Technology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1778-1782.  | 3.0 | 6         |
| 42 | High-Performance Wideband Balanced Bandpass Filter Based on Transversal Signal-Interference Techniques. IEEE Transactions on Plasma Science, 2020, 48, 4119-4126.  | 1.3 | 6         |
| 43 | W-band Dielectric Lens Horn Antenna and FMCW Circuit Module for SAR Imaging Radar. , 2019, , .   |     | 5         |
| 44 | Differentially Fed Dual-Mode Patch Antenna With Wideband Common-Mode Absorption and Its Array Application. IEEE Transactions on Antennas and Propagation, 2021, 69, 8937-8942.   | 5.1 | 5         |
| 45 | Novel Wideband Bandpass Filters Using Double-Sided Quasi-SSPPs Transmission Line. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3174-3178.   | 3.0 | 5         |
| 46 | Compact dual-band single-ended-to-balanced power dividers with open/short-ended stubs. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21812.   | 1.2 | 4         |
| 47 | Balanced to Unbalanced: An Overview of Multifunctional Wideband Balanced-to-Unbalanced Four- and Five-Port Filtering Power Dividers. IEEE Microwave Magazine, 2020, 21, 50-57.   | 0.8 | 3         |
| 48 | Parallel Plate Cavity Mode Suppression by Miniaturized 2.5-D Electromagnetic Bandgap Structure for Low Frequency Microwave Circuit. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3068-3072. | 3.0 | 3         |
| 49 | Compact Planar W-Band Front-End Module Based on EBG Packaging and LTCC Circuits. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 878-882.  | 3.0 | 3         |
| 50 | A compact low insertion loss Ka-band GaAs MMIC traveling wave switch with absorptive characteristic. Microwave and Optical Technology Letters, 2021, 63, 2364-2369.  | 1.4 | 3         |
| 51 | COMMON-MODE SUPPRESSION DESIGN FOR GIGAHERTZ DIFFERENTIAL SIGNALS BASED ON C-SLOTLINE. Progress in Electromagnetics Research C, 2016, 61, 17-26.   | 0.9 | 2         |
| 52 | Dual-band balanced coupler with wideband common-mode suppression. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22077.  | 1.2 | 2         |
| 53 | Compact wideband Wilkinson power divider on gallium arsenide-based integrated passive device technology. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22718.                       | 1.2 | 2         |
| 54 | Miniaturized C-EBG power/ground planes on substrate integrated artificial dielectric with stopband enhancement. , 2013, , .  |     | 1         |

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|----|--|-----|-----------|
| 55 | High performance bandpass filters using printed circuit board packaging technique. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22645.                             | 1.2 | 1         |
| 56 | Novel High Gain W-band Antenna Array Using Ridge Gap Waveguide Technology. , 2021, , .   |     | 1         |
| 57 | Stripline forward-wave directional coupler based on double multi-via mushroom and short-circuited branch line. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22850. | 1.2 | 1         |
| 58 | Ultra wideband lumped Wilkinson power divider on gallium arsenide integrated passive device technology. International Journal of RF and Microwave Computer-Aided Engineering, 0, , e22898.             | 1.2 | 1         |
| 59 | Dual-Polarized Bandpass Three-Dimensional FSS Based on Square Waveguide Structure. , 2019, , .   |     | 0         |
| 60 | Ka-band Six-Port Network Using Double Ridge Gap Waveguide Technology. , 2019, , .  |     | 0         |
| 61 | Overview of Four Transmission Zeros for Ultra-wideband Common-Mode Noise Suppression in the High-Speed Digital Circuits. , 2020, , .   |     | 0         |
| 62 | Overview of Electromagnetic Bandgap for Microwave and Millimeter-wave Packaging. , 2021, , .   |     | 0         |