

# Zhijun Zhang

## List of Publications by Year in descending order

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papers

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docs citations

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citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Wideband Dual-Polarized Endfire Antenna Based on Compact Open-Ended Cavity for 5G Mm-Wave Mobile Phones. IEEE Transactions on Antennas and Propagation, 2022, 70, 1632-1642.                  | 5.1 | 29        |
| 2  | <i>In vivo</i> CT imaging tracking of stem cells labeled with Au nanoparticles. View, 2022, 3, 20200119.  | 5.3 | 16        |
| 3  | Omnidirectional Antenna Diversity System for High-Speed Onboard Communication. Engineering, 2022, 11, 72-79.  | 6.7 | 4         |
| 4  | A Reconfigurable Reflectarray Antenna With an $8 \lambda/4$ -m-Thick Layer of Liquid Crystal. IEEE Transactions on Antennas and Propagation, 2022, 70, 2770-2778.                             | 5.1 | 30        |
| 5  | A Two-Port Microstrip Antenna With High Isolation for Wi-Fi 6 and Wi-Fi 6E Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5227-5234.                                  | 5.1 | 16        |
| 6  | A Broadband Dual-Antenna Pair Based on Half-Open Cavity With Horizontally Polarized Radiation for Wi-Fi 6/6E Application. IEEE Transactions on Antennas and Propagation, 2022, 70, 4250-4258. | 5.1 | 7         |
| 7  | Vertically Polarized $360^\circ$ Azimuth Scanning Array. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 898-902.   | 4.0 | 2         |
| 8  | A Substrate Integrated Slot Leaky-Wave Antenna for Point-to-Point Communication. IEEE Transactions on Antennas and Propagation, 2022, 70, 9888-9893.  | 5.1 | 5         |
| 9  | A Simple Dual-Polarized Patch Antenna Array for Wi-Fi 6/6E Application. IEEE Transactions on Antennas and Propagation, 2022, 70, 11143-11148.   | 5.1 | 3         |
| 10 | A Slender Fabry-Pérot Antenna for High-Gain Horizontally Polarized Omnidirectional Radiation. IEEE Transactions on Antennas and Propagation, 2021, 69, 526-531.                               | 5.1 | 12        |
| 11 | Antenna Decoupling by Common and Differential Modes Cancellation. IEEE Transactions on Antennas and Propagation, 2021, 69, 672-682.   | 5.1 | 99        |
| 12 | A new feeding topology with internal $180^\circ$ phase reversal for wideband series-fed slot array antennas. Microwave and Optical Technology Letters, 2021, 63, 1477-1482.                   | 1.4 | 0         |
| 13 | Decoupling Between Extremely Closely Spaced Patch Antennas by Mode Cancellation Method. IEEE Transactions on Antennas and Propagation, 2021, 69, 3074-3083.                                   | 5.1 | 84        |
| 14 | Wideband Decoupling of Integrated Slot Antenna Pairs for 5G Smartphones. IEEE Transactions on Antennas and Propagation, 2021, 69, 2386-2391.  | 5.1 | 64        |
| 15 | Enhanced and long-term CT imaging tracking of transplanted stem cells labeled with temperature-responsive gold nanoparticles. Journal of Materials Chemistry B, 2021, 9, 2854-2865.           | 5.8 | 16        |
| 16 | Design of a Dual Linearly Polarized Endfire Antenna. IEEE Transactions on Antennas and Propagation, 2021, , 1-1.  | 5.1 | 3         |
| 17 | Compact Co-polarized PIFAs for Full-Duplex Application Based on CM/DM Cancellation Theory. IEEE Transactions on Antennas and Propagation, 2021, 69, 7103-7110.                                | 5.1 | 24        |
| 18 | Design of a Stacked Co-Polarized Full-Duplex Antenna With Broadside Radiation. IEEE Transactions on Antennas and Propagation, 2021, 69, 7111-7118.  | 5.1 | 22        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | A Grooved Half-Mode Waveguide Leaky-Wave Antenna for Vertically-Polarized Endfire Radiation. IEEE Transactions on Antennas and Propagation, 2021, 69, 8229-8236.  | 5.1  | 8         |
| 20 | A Novel Reconfigurable Miniaturized Phase Shifter for 2-D Beam Steering 2-Bit Array Applications. IEEE Microwave and Wireless Components Letters, 2021, 31, 381-384.  | 3.2  | 21        |
| 21 | 3D bioprinted neural tissue constructs for spinal cord injury repair. Biomaterials, 2021, 272, 120771.  | 11.4 | 121       |
| 22 | pH-Triggered Aggregation of Gold Nanoparticles for Enhanced Labeling and Long-Term CT Imaging Tracking of Stem Cells in Pulmonary Fibrosis Treatment. Small, 2021, 17, e2101861.                              | 10.0 | 23        |
| 23 | Wideband Integrated Quad-Element MIMO Antennas Based on Complementary Antenna Pairs for 5G Smartphones. IEEE Transactions on Antennas and Propagation, 2021, 69, 4466-4474.                                   | 5.1  | 52        |
| 24 | Improved oral delivery of insulin by PLGA nanoparticles coated with 5 $\beta$ -cholic acid conjugated glycol chitosan. Biomedical Materials (Bristol), 2021, 16, 064103.                                      | 3.3  | 10        |
| 25 | Guest Editorial Special Issue on Antennas and Propagation Aspects of In-Band Full-Duplex Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 7085-7091.                                    | 5.1  | 7         |
| 26 | Highly resilient, biocompatible, and antibacterial carbon nanotube/hydroxybutyl chitosan sponge dressing for rapid and effective hemostasis. Journal of Materials Chemistry B, 2021, 9, 9754-9763.            | 5.8  | 18        |
| 27 | DNA-coated gold nanoparticles for tracking of hepatocyte growth factor secreted by transplanted mesenchymal stem cells in pulmonary fibrosis therapy. Biomaterials Science, 2021, , .                         | 5.4  | 2         |
| 28 | Facile engineering of ECM-mimetic injectable dual crosslinking hydrogels with excellent mechanical resilience, tissue adhesion, and biocompatibility. Journal of Materials Chemistry B, 2021, 9, 10003-10014. | 5.8  | 12        |
| 29 | Circularly Polarized 2 Bit Reconfigurable Beam-Steering Antenna Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 2416-2421.  | 5.1  | 52        |
| 30 | One-pot preparation of zwitterionic graphene nanosheets with exceptional redispersibility and its application in pickering emulsions. Carbon, 2020, 157, 448-456.   | 10.3 | 9         |
| 31 | Self-Decoupled MIMO Antenna Pair With Shared Radiator for 5G Smartphones. IEEE Transactions on Antennas and Propagation, 2020, 68, 3423-3432.   | 5.1  | 142       |
| 32 | Dual-Mode Compression of Dipole Antenna by Loading Electrically Small Loop Resonator. IEEE Transactions on Antennas and Propagation, 2020, 68, 3243-3247.   | 5.1  | 25        |
| 33 | Millimeter-Wave Air-Filled Slot Antenna With Conical Beam Based on Bulk Silicon MEMS Technology. IEEE Transactions on Antennas and Propagation, 2020, 68, 4077-4081.  | 5.1  | 14        |
| 34 | Wideband 5G MIMO Antenna With Integrated Orthogonal-Mode Dual-Antenna Pairs for Metal-Rimmed Smartphones. IEEE Transactions on Antennas and Propagation, 2020, 68, 2494-2503.                                 | 5.1  | 160       |
| 35 | Millimeter-Wave Planar Antenna Array Based on Modified Bulk Silicon Micromachining Technology. IEEE Transactions on Antennas and Propagation, 2020, 68, 7676-7681.  | 5.1  | 6         |
| 36 | Hyaluronic Acid-Modified Au@Ag Alloy Nanoparticles for Radiation/Nanozyme/Ag <sup>+</sup> Multimodal Synergistically Enhanced Cancer Therapy. Bioconjugate Chemistry, 2020, 31, 1756-1765.                    | 3.6  | 43        |

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|----|---|------|-----------|
| 37 | HBC-nanofiber hydrogel scaffolds with 3D printed internal microchannels for enhanced cartilage differentiation. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6115-6127.   | 5.8  | 41        |
| 38 | CT/MR Dual-Modality Imaging Tracking of Mesenchymal Stem Cells Labeled with a Au/GdNC@SiO <sub>2</sub> Nanotracer in Pulmonary Fibrosis. <i>ACS Applied Bio Materials</i> , 2020, 3, 2489-2498.                                       | 4.6  | 5         |
| 39 | A Pattern-Reconfigurable Aircraft Antenna With Low Wind Drag. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 4397-4405.   | 5.1  | 20        |
| 40 | CT/NIRF dual-modal imaging tracking and therapeutic efficacy of transplanted mesenchymal stem cells labeled with Au nanoparticles in silica-induced pulmonary fibrosis. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1713-1727. | 5.8  | 27        |
| 41 | Near-infrared-persistent luminescence/bioluminescence imaging tracking of transplanted mesenchymal stem cells in pulmonary fibrosis. <i>Biomaterials Science</i> , 2020, 8, 3095-3105.  | 5.4  | 11        |
| 42 | Metal Strip Endfire Antenna Based on TE <sub>1</sub> Leaky-Wave Mode. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 5916-5923.   | 5.1  | 10        |
| 43 | Wideband Integrated Quad-Antenna Building Block for 5G 8Å–8 MIMO Smartphones. , 2020, , .   |      | 0         |
| 44 | High-Aperture-Efficiency Metamirror Using Ultra-Small and Low-Profile Monopole Elements. , 2020, , .  |      | 0         |
| 45 | Compact Co-Horizontally Polarized Full-Duplex Antenna With Omnidirectional Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1154-1158.   | 4.0  | 39        |
| 46 | A Broadband and High-Gain Endfire Antenna Array Fed by Air-Substrate Parallel Strip Line. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 5717-5722.   | 5.1  | 16        |
| 47 | Rectangular Dielectric Rod Antenna Fed by Air-Substrate Parallel Strip Line. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 6308-6316.  | 5.1  | 8         |
| 48 | CT/Bioluminescence Dual-Modal Imaging Tracking of Mesenchymal Stem Cells in Pulmonary Fibrosis. <i>Small</i> , 2019, 15, e1904314.  | 10.0 | 27        |
| 49 | Dual-Beam Periodic Leaky-Wave Antenna With Reduced Beam Squinting. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 2533-2537.   | 4.0  | 15        |
| 50 | Dual-Polarized High-Gain Microstrip Antenna for MIMO Wireless Communication Systems. , 2019, , .  |      | 1         |
| 51 | High-Gain Leaky-Wave Endfire Antenna Based on Hansen's "Woodyard Condition. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 2155-2159.  | 4.0  | 18        |
| 52 | Monostatic Copolarized Simultaneous Transmit and Receive (STAR) Antenna by Integrated Single-Layer Design. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 472-476.   | 4.0  | 29        |
| 53 | Unified Efficient Thermostat Scheme for the Canonical Ensemble with Holonomic or Isokinetic Constraints via Molecular Dynamics. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6056-6079.  | 2.5  | 48        |
| 54 | Half-mode dielectric waveguide antenna fed by a microstrip line with air media for endfire radiation. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 854-858.  | 1.4  | 0         |

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|----|--|-----|-----------|
| 55 | <p></p>Promoting tendon to bone integration using graphene oxide-doped electrospun poly(lactic-co-glycolic acid) nanofibrous membrane<p></p>. International Journal of Nanomedicine, 2019, Volume 14, 1835-1847. | 6.7 | 41        |
| 56 | Low-Profile Compact Circularly Polarized Slot-Etched PIFA Using Even and Odd Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 4189-4194.  | 5.1 | 22        |
| 57 | An Open Cavity Leaky-Wave Antenna With Vertical-Polarization Endfire Radiation. IEEE Transactions on Antennas and Propagation, 2019, 67, 3455-3460.  | 5.1 | 31        |
| 58 | Subwavelength and low-profile element using metallic hole for reflected antenna array. Electronics Letters, 2019, 55, 436-438.   | 1.0 | 3         |
| 59 | Linear high-gain bidirectional slot array fabricated by narrow bent metallic line. Electronics Letters, 2019, 55, 981-982.   | 1.0 | 2         |
| 60 | Omnidirectional Dual-polarized Antenna for Space-limited Systems. , 2019, , .  |     | 0         |
| 61 | Microstrip-Fed Endfire Antennas with High Gain and Stable Radiation Pattern. , 2019, , .   |     | 0         |
| 62 | A Novel Modified Silicon Micromachining Process with Near-Zero Dielectric Loss for High-Efficiency Antenna Design up to Terahertz Band. , 2019, , .  |     | 2         |
| 63 | A Hybrid Uniform/Periodic Dual-Mode Dielectric Grating Leaky-Wave Antenna. , 2019, , .   |     | 0         |
| 64 | Long-term <i>in vivo</i> CT tracking of mesenchymal stem cells labeled with Au@BSA@PLL nanotracers. Nanoscale, 2019, 11, 20932-20941.  | 5.6 | 33        |
| 65 | A Compact Planar Omnidirectional MIMO Array Antenna With Pattern Phase Diversity Using Folded Dipole Element. IEEE Transactions on Antennas and Propagation, 2019, 67, 1688-1696.                                | 5.1 | 25        |
| 66 | Dual-Polarized, High-Gain, and Low-Profile Magnetic Current Array Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 1312-1317.   | 5.1 | 20        |
| 67 | All-Metal Endfire Antenna With High Gain and Stable Radiation Pattern for the Platform-Embedded Application. IEEE Transactions on Antennas and Propagation, 2019, 67, 730-737.                                   | 5.1 | 27        |
| 68 | Low-Cost Compact Circularly Polarized Dual-Layer PIFA for Active RFID Reader. IEEE Transactions on Antennas and Propagation, 2019, 67, 681-686.  | 5.1 | 33        |
| 69 | Low-Profile and Wideband Microstrip Antenna Using Quasi-Periodic Aperture and Slot-to-CPW Transition. IEEE Transactions on Antennas and Propagation, 2019, 67, 632-637.  | 5.1 | 45        |
| 70 | Microstrip-Fed Surface-Wave Antenna for Endfire Radiation. IEEE Transactions on Antennas and Propagation, 2019, 67, 580-584.   | 5.1 | 18        |
| 71 | Multifunctional nanotheranostic gold nanocages for photoacoustic imaging guided radio/photodynamic/photothermal synergistic therapy. Acta Biomaterialia, 2019, 84, 328-338.                                      | 8.3 | 73        |
| 72 | Experimental Verification of Guided-Wave Lumped Circuits Using Waveguide Metamaterials. Physical Review Applied, 2018, 9, .  | 3.8 | 14        |

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|----|--|-----|-----------|
| 73 | Reconfigurable 2-bit Fixed-Frequency Beam Steering Array Based on Microstrip Line. IEEE Transactions on Antennas and Propagation, 2018, 66, 683-691.   | 5.1 | 44        |
| 74 | Circularly Polarized Beam-Switching Antenna Array Design for Directional Networks. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 604-607.  | 4.0 | 9         |
| 75 | Chondroinductive factor-free chondrogenic differentiation of human mesenchymal stem cells in graphene oxide-incorporated hydrogels. Journal of Materials Chemistry B, 2018, 6, 908-917.  | 5.8 | 38        |
| 76 | Multiple Fan-Beam Antenna Array for Massive MIMO Applications. Journal of Communications and Information Networks, 2018, 3, 38-42.   | 5.2 | 3         |
| 77 | Low-Profile EndFire Leaky-Wave Antenna With Air Media. IEEE Transactions on Antennas and Propagation, 2018, 66, 1086-1092.   | 5.1 | 41        |
| 78 | Antenna Miniaturization in Mobile Communication Systems. , 2018, , 205-226.  |     | 0         |
| 79 | Utilization of a lateral flow colloidal gold immunoassay strip based on surface-enhanced Raman spectroscopy for ultrasensitive detection of antibiotics in milk. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 197, 107-113.                  | 3.9 | 49        |
| 80 | A Reconstructing Method for Multifeed Large-Scale Antenna Array Pattern Measurement. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2018, 3, 277-288.   | 2.2 | 1         |
| 81 | Sliding the Radiating Aperture of Multi-Beam Transmitarray with Low Scan Loss. , 2018, , .   |     | 1         |
| 82 | Accurate Model of the Metasurface-loaded Waveguide. , 2018, , .  |     | 0         |
| 83 | Dual Linearly Polarized Microstrip Antenna Using a Slot-Loaded TM <sub>50</sub> Mode. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2344-2348.   | 4.0 | 27        |
| 84 | A novel teaching platform design with CAI for EM education. Computer Applications in Engineering Education, 2018, 26, 1318-1323.   | 3.4 | 3         |
| 85 | All-Metal Centipede-Like End-Fire Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1905-1909.  | 4.0 | 17        |
| 86 | HP- $\beta$ -CD Functionalized Fe <sub>3</sub> O <sub>4</sub> /CNPs-Based Theranostic Nanoplatform for pH/NIR Responsive Drug Release and MR/NIRFL Imaging-Guided Synergetic Chemo/Photothermal Therapy of Tumor. ACS Applied Materials & Interfaces, 2018, 10, 33867-33878. | 8.0 | 45        |
| 87 | Low Loss Millimeter Wave Antennas Using Modified Silicon Micromachining Process. , 2018, , .   |     | 0         |
| 88 | Multi-Beam Antennas for Massive MIMO System with Vertical Spatial Filtering Technique. , 2018, , .   |     | 0         |
| 89 | Planar Air-Filled Terahertz Antenna Array Based on Channelized Coplanar Waveguide Using Hierarchical Silicon Bulk Micromachining. IEEE Transactions on Antennas and Propagation, 2018, 66, 5318-5325.  | 5.1 | 20        |
| 90 | Linear Multibeam Transmitarray Based on the Sliding Aperture Technique. IEEE Transactions on Antennas and Propagation, 2018, 66, 3948-3958.  | 5.1 | 15        |

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|-----|--|-----|-----------|
| 91  | High-gain and low-profile microstrip antenna using slot-loaded TM <sub>50</sub> mode. , 2018, , .  |     | 4         |
| 92  | The effect of surface charge on the cytotoxicity and uptake of carbon quantum dots in human umbilical cord derived mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2018, 171, 241-249.                 | 5.0 | 53        |
| 93  | Tightly arranged orthogonal mode antenna for 5G MIMO mobile terminal. Microwave and Optical Technology Letters, 2018, 60, 1751-1756.   | 1.4 | 35        |
| 94  | Compact 5G MIMO Mobile Phone Antennas With Tightly Arranged Orthogonal-Mode Pairs. IEEE Transactions on Antennas and Propagation, 2018, 66, 6364-6369.   | 5.1 | 215       |
| 95  | A novel $\lambda/4$ feeding network with radiation contribution. Microwave and Optical Technology Letters, 2018, 60, 2242-2245.  | 1.4 | 1         |
| 96  | Narrow-Width Periodic Leaky-Wave Antenna Array for Endfire Radiation Based on Hansen's "Woodyard Condition. IEEE Transactions on Antennas and Propagation, 2018, 66, 6393-6396.  | 5.1 | 50        |
| 97  | A leap-frog algorithm-based efficient unified thermostat scheme for molecular dynamics. Chinese Science Bulletin, 2018, 63, 3467-3483.   | 0.7 | 8         |
| 98  | Air Substrate 2-D Planar Cavity Antenna With Chessboard Structure. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 321-324.  | 4.0 | 6         |
| 99  | Bidirectional same-sense circularly polarized antenna using slot-coupled back-back patches. Microwave and Optical Technology Letters, 2017, 59, 645-648.   | 1.4 | 16        |
| 100 | Pattern synthesis for equal-gain coverage in air-to-ground communication. Microwave and Optical Technology Letters, 2017, 59, 750-753.   | 1.4 | 0         |
| 101 | Indocyanine Green Loaded Magnetic Carbon Nanoparticles for Near Infrared Fluorescence/Magnetic Resonance Dual-Modal Imaging and Photothermal Therapy of Tumor. ACS Applied Materials & Interfaces, 2017, 9, 9484-9495. | 8.0 | 68        |
| 102 | Air-Filled Long Slot Leaky-Wave Antenna Based on Folded Half-Mode Waveguide Using Silicon Bulk Micromachining Technology for Millimeter-Wave Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 3409-3418. | 5.1 | 35        |
| 103 | 60-GHz air-cavity-fed slot antenna array using modified silicon micromachining process. , 2017, , .  |     | 3         |
| 104 | Low RF-Complexity Massive MIMO Systems Based on Vertical Spatial Filtering for Urban Macro Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9214-9225.  | 6.3 | 4         |
| 105 | Omnidirectional Dual-Polarized Antenna With Sabre-Like Structure. IEEE Transactions on Antennas and Propagation, 2017, 65, 3221-3225.  | 5.1 | 31        |
| 106 | Single-Layer Magnetic Current Antenna Array With High Realized Aperture Usage Rate Based on Microstrip Line Structure. IEEE Transactions on Antennas and Propagation, 2017, 65, 584-592.                               | 5.1 | 9         |
| 107 | A unified thermostat scheme for efficient configurational sampling for classical/quantum canonical ensembles via molecular dynamics. Journal of Chemical Physics, 2017, 147, 034109.                                   | 3.0 | 40        |
| 108 | A Fixed-Beam Leaky-Wave Cavity-Backed Slot Antenna Manufactured by Bulk Silicon MEMS Technology. IEEE Transactions on Antennas and Propagation, 2017, 65, 4399-4405.   | 5.1 | 31        |

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|-----|--|-----|-----------|
| 109 | Breaking the field symmetry of transmission lines. , 2017, , .   |     | 0         |
| 110 | Magnetic current synthesis using cavity structures. , 2017, , .  |     | 1         |
| 111 | Stationary state distribution and efficiency analysis of the Langevin equation via real or virtual dynamics. Journal of Chemical Physics, 2017, 147, 184104.                               | 3.0 | 21        |
| 112 | Broadband and Low-Profile Microstrip Antenna Using Strip-Slot Hybrid Structure. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3118-3121.                                       | 4.0 | 55        |
| 113 | Low-Sidelobe Air-Filled Slot Array Fabricated Using Silicon Micromachining Technology for Millimeter-Wave Application. IEEE Transactions on Antennas and Propagation, 2017, 65, 4067-4074. | 5.1 | 34        |
| 114 | A Millimeter-Wave Micromachined Air-Filled Slot Antenna Fed by Patch. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1683-1690.                         | 2.5 | 20        |
| 115 | Air Substrate Slot Array Based on Channelized Coplanar Waveguide. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 892-895.   | 4.0 | 8         |
| 116 | A Dual-Beam Eight-Element Antenna Array With Compact CPWG Crossover Structure. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1269-1272.  | 4.0 | 12        |
| 117 | A millimeter-wave patch-fed slot antenna with air cavity. , 2017, , .  |     | 0         |
| 118 | Modified silicon micromachining process with air cavities and silicon-to-air transitions for low-loss millimeter-wave antenna tape-out. , 2017, , .  |     | 0         |
| 119 | Metamaterial-inspired microstrip antennas for wireless communication systems. , 2017, , .  |     | 1         |
| 120 | Triangular cavity for wideband antenna with large radiating aperture. , 2016, , .  |     | 3         |
| 121 | An experimental system for generating and identifying tunable orbital angular momentum in radio. , 2016, , .   |     | 4         |
| 122 | Path integral Liouville dynamics: Applications to infrared spectra of OH, water, ammonia, and methane. Journal of Chemical Physics, 2016, 144, 034307.                                     | 3.0 | 31        |
| 123 | 60 GHz air cavity antenna array with checkerboard structure using MEMS micromachining process. , 2016, , .   |     | 2         |
| 124 | Circular polarization transmitarray element with linear polarization feed. , 2016, , .   |     | 2         |
| 125 | Two designs of bidirectional same-sense circularly polarized antennas with cavity structures. , 2016, , .  |     | 1         |
| 126 | Dual-layered metalens for polarization-agile orbital angular momentum waves. , 2016, , .   |     | 4         |



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|-----|---|-----|-----------|
| 127 | Horizontally polarized omnidirectional antenna using open-ended cavity. , 2016, , .   |     | 1         |
| 128 | Near-Optimal Beam Selection for Beamspace MmWave Massive MIMO Systems. IEEE Communications Letters, 2016, 20, 1054-1057.  | 4.1 | 230       |
| 129 | Antennas wrapped up on slender column. , 2016, , .  |     | 0         |
| 130 | Broadband hybrid dipole antenna. , 2016, , .  |     | 0         |
| 131 | Horizontally Polarized Omnidirectional Antenna Array Using Cascaded Cavities. IEEE Transactions on Antennas and Propagation, 2016, 64, 5454-5459.                             | 5.1 | 36        |
| 132 | A 60GHz slot antenna based on MEMS bulk micromaching technology. , 2016, , .  |     | 0         |
| 133 | 60-GHz Air Substrate Leaky-Wave Antenna Based on MEMS Micromachining Technology. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 1656-1662. | 2.5 | 33        |
| 134 | Wideband Triangular-Cavity-Cascaded Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 2840-2847.   | 5.1 | 13        |
| 135 | A Dual-Environment Active RFID Tag Antenna Mountable on Metallic Objects. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1759-1762.                                | 4.0 | 11        |
| 136 | Compact all-metallic cavity-cascaded antenna. Electronics Letters, 2016, 52, 413-414.   | 1.0 | 14        |
| 137 | All-Metal Antenna Array Based on Microstrip Line Structure. IEEE Transactions on Antennas and Propagation, 2016, 64, 351-355.   | 5.1 | 26        |
| 138 | A Low-Cost Wideband Circularly Polarized Slot Array With Integrated Feeding Network and Reduced Height. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 222-225.    | 4.0 | 20        |
| 139 | HEXA-BAND HIGH-ISOLATED DUAL-POLARIZED LOOP ANTENNA FOR MOBILE COMMUNICATIONS. Progress in Electromagnetics Research Letters, 2015, 52, 121-128.                              | 0.7 | 4         |
| 140 | Propagation Modeling of Point Source Excited Magnetoinductive Waves Based on a New Plane Wave Expansion Approach. Mathematical Problems in Engineering, 2015, 2015, 1-9.      | 1.1 | 0         |
| 141 | A Switched Beam Antenna With Shaped Radiation Pattern and Interleaving Array Architecture. IEEE Transactions on Antennas and Propagation, 2015, 63, 2914-2921.                | 5.1 | 38        |
| 142 | Design of a three-dimensional folded slot antenna with quasi-isotropic radiation pattern. , 2015, , .   |     | 9         |
| 143 | A three-layer transmitarray element with 360° phase range. , 2015, , .  |     | 1         |
| 144 | Dual-port planar MIMO antenna with ultra-high isolation and orthogonal radiation patterns. Electronics Letters, 2015, 51, 7-8.  | 1.0 | 16        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | A Compact Dual-Mode Metamaterial-Based Loop Antenna for Pattern Diversity. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 394-397.                         | 4.0 | 31        |
| 146 | Wideband substrate integrated waveguide cavity-backed spiral-shaped patch antenna. Microwave and Optical Technology Letters, 2015, 57, 332-337.                       | 1.4 | 4         |
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