

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION

A PUBLICATION OF THE IEEE ANTENNAS AND PROPAGATION SOCIETY



FEBRUARY 2025

VOLUME 73

NUMBER 2

IETPAK

(ISSN 0018-926X)

COMMUNICATIONS

Wideband, High-Gain, and Tri-Polarized Cylindrical Dielectric Resonator Antenna Employing Six High-Order Modes	<i>X. S. Fang, X. Li, C. Q. Li, and Y. P. Gong</i>
Broadband Ground-Embedded Dielectric Resonator Antenna With Half-Space Coverage for 5G Applications	<i>L. Guo, Y. Qiao, W. Yang, and K. W. Leung</i>
Wideband Circularly Polarized Horn Antenna With Twisted Ridges of Gielis Super-Formula Contour	<i>K. W. Leung, C.-T. Huang, Z. Fang, K. Lu, and N. Yang</i>
A Low-Profile Millimeter-Wave Broadband Magneto Electric Dipole Antenna With Fragmented Dipole Arm	<i>S. U. Oh, H. Yoo, and T. H. Jang</i>
Tightly Embedded Modular Antenna-in-Display (MAiD) Into the Panel Edge of Display With Dual-Polarization for 5G Smartphones	<i>J. Oh, K. Kim, J. Choi, and J. Oh</i>
Compact Dual-Polarized Low Sidelobe Monopulse Slot Antenna Array Based on Gap Waveguide Technology	<i>X. Cheng, X. Chen, J. Liu, X. Liu, J. Li, S. Gao, and A. A. Kishk</i>
C-/Ka-Band Low-Profile Circularly Polarized Shared-Aperture Antenna for CubeSat Communications	<i>Z. Sun, Z. Liang, X. Lv, Y. Zhou, S. Liu, Z. Luo, and Y. Yang</i>
High Isolation H-Plane Placed Metasurface MIMO Antenna Using Characteristic Field Cancellation	<i>W.-F. Zeng, F.-C. Chen, and Y.-Z. Liang</i>
A Novel Architecture of Retro-Reflective Beamforming for Wireless Power Transmission With a 2-D Transmitting Antenna Array Controlled by 1-D Receiving Antenna Arrays	<i>X. Wang, H. Zhang, and M. Lu</i>
Broadband Beam-Scanning Metasurface With Rotatable Phase Shifting Surface	<i>L. Zhang, H. Jiang, T. Hu, Z. Wen, M. Li, and J. Zhang</i>
A Dual-Polarized Leading Edge Wing Conformal Tightly Coupled Dipole Array With Enhanced Low-Scattering Characteristics	<i>L. Xu, Z. Zhang, F. Yang, Y. Chen, J. Hu, and S. Yang</i>
Millimeter-Wave Low-Profile Metasurface Antenna With Beam Direction Manipulation Enabled by Near-Field Huygens Metasurface	<i>J.-W. Lian, R.-L. Xu, J. Han, J. Gu, and D. Ding</i>
On the Surface-Integral-Equation-Based Characteristic Mode Expansion of Dielectric Body With Internal Excitations	<i>C. Guo, Y.-C. Jiao, and Y. Ren</i>
Circuit-Informed Neural Network for Broadening the Bandwidth of SIW-Fed Slot Antennas	<i>R. Wang, H.-Y. Chang, Y.-H. Lv, H. Huang, J.-S. Wang, and B.-Z. Wang</i>
Efficient Computation of Scattering From Core-Shell Particle Clusters Based on Extended JMCIE	<i>R. Wu, B.-Y. Wu, P.-X. He, K.-Y. Guo, and X.-Q. Sheng</i>
A Forecast Model of Ionospheric foF₂ for HF Radio Wave Propagation Based on Echo State Network	<i>Y. Shi, C. Yang, and J. Wang</i>
Measurement-Based Multiband Clutter Loss Modeling for Nonterrestrial Networks	<i>Y. Yu, C. Ling, A. Liu, J. Rodríguez-Piñero, B. Guo, and X. Yin</i>
Fast Zero Migration Algorithm for Near-Field Sparse MIMO Array Grating Lobe Suppression	<i>R. Zhu, J. Zhou, S. Chen, and H. Ding</i>
