

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION

A PUBLICATION OF THE IEEE ANTENNAS AND PROPAGATION SOCIETY



APRIL 2025

VOLUME 73

NUMBER 4

IETPAK

(ISSN 0018-926X)

COMMUNICATIONS

- [Nonrotationally Symmetric V-Band Geodesic Lens Antenna With Defined Footprint](#) S. Clendinning, O. Zetterstrom, J. Rico-Fernández, F. Mesa, and O. Quevedo-Teruel
- [Systematic and Accurate Method to Model Dielectric Stratifications in Artificial Dielectric Layers](#) R. G. Tapia Barroso and D. Cavallo
- [Wideband Dual-Circularly Polarized Transmit-Reflect-Array Antenna With Energy Allocation Based on Hybrid Metasurface](#) W. Yang, K. Tang, Y. Zhu, K. Chen, J. Zhao, T. Jiang, and Y. Feng
- [Wideband Sequential Rotation Dual-Circularly Polarized Magnetoelectric Dipole Array With Polarization Independent Control for Intelligent Vehicle Communications](#) Z. Sun, X. Lv, and Y. Yang
- [320 GHz InP-Based On-Chip Aperture Antenna With 10.1 dBi Gain by Using Open-Ended SIW Cavity](#) S.-Y. Tang, J. Chen, X. Xia, S. Zheng, H. Lu, P. Zhou, and W. Hong
- [Periodic Leaky Wave Antenna With \$n = -2\$ Space Harmonic as the Main Radiation Mode With the Improved Macroand Single-Cell Method](#) Y. Yao, Y. Li, Z. Liang, X. Chen, S. Y. Zheng, and Y. Long
- [Whale Optimization Algorithm-Based Channel Parameter Estimation for Ranging Applications in Closely Spaced Multipath Environment](#) Z. Liang, Y. Lyu, W. Wang, and Y. An
- [A Parallel Direct Finite Element Solver Empowered by Machine Learning for Solving Large-Scale Electromagnetic Problems](#) J. Wang, S. Zuo, X. Zhao, M. Tian, Z. Lin, and Y. Zhang
-