

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION

A PUBLICATION OF THE IEEE ANTENNAS AND PROPAGATION SOCIETY



JANUARY 2025

VOLUME 73

NUMBER 1

IETPAK

(ISSN 0018-926X)

PAPERS

Arrays and Periodic Structures

- [Polarization-Reconfigurable Phased Array Architecture With Optimally Polarized Elements](#) J. Zhou, Z. Wang, Y. Wang, D. Zhu, C. Pang, and Y. Li
- [Deriving Mutual Impedance Matrix of a Large Antenna Array From Embedded Element Patterns With Measurement Noise](#) G. Kyriakou, M. Kovaleva, K. F. Warnick, D. B. Davidson, and P. Bolli
- [A Generalized Analytical Solution for the Directivity of Nonuniform Planar Phased Arrays Using a Universal Element Radiation Model](#) C. A. Mussman and D. H. Werner
- [Design and Optimization of Differentially Fed Microstrip Cross-Grid Array Antenna With DNN Surrogate Model-Enabled AGA](#) J. Zhang, G. Xu, K. Jin, Y. Zou, K. Kang, and W.-Y. Yin
- [An Ultrawideband Low-RCS Circularly Polarized Antenna Array Based on Hybrid Mechanism](#) W. Mu, H. Yuan, L. Zhu, G. Xu, Z. Hao, L. Li, and Q. Cao
- [Millimeter-Wave Beam-Scanning Antenna With Unconventional Array-of-Array Architecture Optimized by Null-Pull Strategy](#) J. X. Sun, J. F. Yu, H. S. Zhu, W. J. Feng, and Y. J. Cheng
- [Pulsewidth-Modulated Timed Array for Independently Controllable Harmonic Beams in Multiuser Wireless Scenario](#) K. S. Arjun, V. Prahanathan, R. Gopika, and C. Saha
- [Wideband Magnetolectric Dipole Phased Array With SICL Feed and Reactive Impedance Surface](#) A. Singh and C. E. Saavedra
- [Combinatorial Phase Modulation of Dual-Metasurface Plates for Designing Low Sidelobe Transmitarray Antennas With High Aperture Efficiency](#) G.-Y. Deng, Y.-H. Zhang, H.-T. Gao, F. Zhou, S.-Y. He, and G.-Q. Zhu
- [Electronically Reconfigurable Reflectarray Antennas Using 2-bit Phase Shift Unit Cells Embedded With Reflecting Circuits](#) J. Zhao, S. Qiao, H. Topozlu, J. Wu, M. M. Honari, J. H. Booske, and N. Behdad
-