

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION

A PUBLICATION OF THE IEEE ANTENNAS AND PROPAGATION SOCIETY



OCTOBER 2024

VOLUME 72

NUMBER 10

IETPAK

(ISSN 0018-926X)

PAPERS

Antennas

- [Wide-Angle Scanning Parallel-Plate Lens in Multilayer PCB Technology](#) T. Ströber, L. Lassauce, X. Morvan, H. Legay, G. Goussetis, and M. Ettorre
- [Partial Near-Field Antenna Characterization](#) A. Capozzoli, C. Curcio, and A. Liseno
- [Compact Aperture-Shared Tri-Frequency Antenna Based on Partial Structure Reutilization for Millimeter-Wave and Sub-6 GHz Applications](#) B.-T. Chai, X. Geng, W.-W. Yang, W. Qin, L. Guo, and J.-X. Chen
- [A Simple Decoupling Method for Wideband Millimeter-Wave MIMO Magnetoelectric Dipole Antenna Array Using Parasitic Stubs](#) Q. X. Lai, Z. L. Hu, and Y. M. Pan
- [Heat-Dissipating Mobile Antenna: A Novel Mobile Antenna Concept With Extremely Small Clearance and Integrated Heat-Dissipating Function](#) M. Chen, L. Chang, and A. Zhang
- [Transparent and Flexible Antenna With Polarization Reconfigurability Using EGaIn for Wearable Applications](#) W. Zhu, X. Liu, Y. Fan, Z. Zhang, and X. Ma
- [Design of Automotive Radar Antenna for Covering Middle- and Long-Range With Dual-Circular Polarization](#) M. Yousefzadeh, R. Ebrahimzadeh, B. Zakeri, L. Talbi, K. Hettak, and H. Boutayeb
- [A Compact Dual-Band Implantable MIMO Antenna for Wireless Capsule Endoscopy](#) A. Iqbal, S. H. Kiani, M. Al-Hasan, I. B. Mabrouk, and T. A. Denidni
- [Maximizing Gain of Endfire Arrays Based on Electrical Dipoles Using Spherical Harmonics](#) A. Tornese, A. Clemente, and C. Delaveaud
- [Efficient Beam Manipulation With Phase Symmetry Operations on Transmitarrays for Flat-Top Beams](#) Y. Cai, P. Mei, X. Q. Lin, and S. Zhang
- [Warping-Driven Greedy Method for Data Reduction in Planar Near-Field Antenna Measurements](#) M. A. Maisto, A. Ciociola, A. Cuccaro, and R. Solimene
- [Full-Wave Analysis of Thermal Noise in Antenna Arrays on Top of Layered Medium](#) J. Cavillot, D. Tihon, Q. Gueuning, E. de L. Acedo, and C. Craeye
- [Gain Enhancement of Dual-Polarized 2-D Multibeam Antenna With Transmitarray](#) Z. Xu, S. Xu, Y. Shen, S. Xue, and S. Hu
- [Millimeter-Wave Filtering Circularly Polarized Antenna Using Hybrid Radiation Modes for Satellite Applications](#) Z. Xiao, Y. Cao, W. Che, and Q. Xue
- [An Antenna Optimization Framework Based on Deep Reinforcement Learning](#) F. Peng and X. Chen
- [An Artificial-Neural-Network-Based Efficient Beamforming Synthesis Method and Its Application to Flat-Top Beamformed Compressed High-Order-Mode Dipoles](#) Y. Luo, S. Duan, Z. N. Chen, N. Yan, W. An, and K. Ma
- [Superdirective, Electrically Small, Endfire-Radiating Huygens Quadrupole Antenna](#) Z. Zhang, M. Li, Q. Dai, and R. W. Ziolkowski
- [A Dual-Port Dual-Beam Pattern-Reconfigurable Antenna With Independent 2-D Beam-Scanning](#) Y. Zhang, S. Tang, J. Rao, C.-Y. Chiu, X. Chen, and R. Murch
- [Millimeter-Wave Endfire Circularly Polarized Phased Array With Wideband Wide-Angle Scanning](#) D. Bu and S.-W. Qu
- [Varactor-Tuned Superstrate-Loaded Antenna and Filtenna for X-Band Applications](#) R. Agasti, D. C. Nichols, A. M. Eck, H. H. Sigmarsson, and J. E. Ruyle
- [Multifunctional Sensing Platform Based on Single Antenna for Noncontact Human–Machine Interaction and Environment Sensing](#) Y. Dang and M. Cheffena
- [Research on Radiation Performance and Nonlinear Behavior of an Acoustically Actuated Antenna](#) T. Deng, J. Jiao, D. Wang, Q. Zhang, H. Luo, T. Nan, and Z. Chu
-