

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION

A PUBLICATION OF THE IEEE ANTENNAS AND PROPAGATION SOCIETY



NOVEMBER 2025

VOLUME 73

NUMBER 11

IETPAK

(ISSN 0018-926X)

PAPERS

Wave Propagation and Scattering

- [Electromagnetic Water Drop Model for Wet Antenna Attenuation Based on Near-Field Measurements](#) J. Tiede, C. Chwala, C. Herpers, A. H. Paulus, U. Siart, and T. F. Eibert
- [Power Balance Regularization of the Microwave Inverse Scattering Problem](#) B. C. Besler and E. C. Fear
- [Machine Learning-Based Underground Mine Path Loss Prediction Using mm-Wave Massive MIMO Measurements](#) S. E. Hadji and M. Nedil
- [Scattering Center Modeling of Complex Targets Under Cross Polarization](#) Z. Zhang, K.-Y. Guo, J.-X. Liu, J. Yang, C. Liu, and X.-Q. Sheng
- [Target Localization Using the Electromagnetic Frequency-Difference Autoproduct](#) N. J. Joslyn, S. Gutt, and D. R. Dowling
- [Evanescent Wave Suppression in Small Metallic Cavity Based on Ungrounded Anisotropic Metasurface Diaphragm](#) W. Zhou, D. Yi, S.-Y. Wang, J.-Q. He, G.-Q. Dou, H.-P. Zhao, and M.-C. Tang
- [Cosinusoidal Phase Modulation Jamming Using Tunable Metasurface Against SAR-GMTI](#) H. Mu, C. Ding, F. Meng, Y. Zhang, and J. Wang
- [Channel Sounding Using Multiplicative Arrays Based on Successive Interference Cancellation Principle](#) Z. Jiang, Z. Yuan, C. Li, L. Yu, and W. Fan
- [Simulation of Radiation Characteristics of Antenna Array Under the Influence of Ablation](#) Y. Yang, S. Wang, Z.-F. Yu, H.-Y. Li, S.-C. Liang, and X.-L. Zan
- [Generalized Scattering Matrix Synthesis: Independent Region Decomposition for Hybrid Antenna-Scatterer Systems](#) C. Shi, S. Liang, J. Pan, X. Gu, and L. Zuo
- [Diffraction Analysis of a Periodic Array of Time-Varying Graphene Ribbons](#) M. Rahmanzadeh and B. Rejaei
- [Rapid Simulation for Passive Millimeter-Wave Imaging of Large-Scale Kelvin Wake Using Wave Height and Brightness Temperature Similarity](#) H. Xiong, Y. Cheng, L. Wu, J. Qi, and J. Qiu
- [An Accelerated PO for Fast RCS Prediction of Electrically Large Objects](#) K. Wang, L. Xu, and X. Shi
- [Reflector-Assisted Millimeter-Wave Over-the-Air Handset Antenna Test Method in Multiprobe Anechoic Chamber](#) B. Xue, A. Kourani, K. Haneda, C. Icheln, and R. Tian
-