

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION

A PUBLICATION OF THE IEEE ANTENNAS AND PROPAGATION SOCIETY



SEPTEMBER 2024

VOLUME 72

NUMBER 9

IETPAK

(ISSN 0018-926X)

COMMUNICATIONS

- [Single-Layer and Wideband Filtering Antenna With Small Footprint Based on Nonuniform Grid Array](#) Y.-L. Lang, D. Yi, and M.-C. Tang
- [A Miniaturized Wearable Annular Slot Antenna Based on Designer LSPs for Telemedicine Communication](#) C. Zhang, Z. Zhao, P. Xiao, Q. Liu, N. Wang, and G. Li
- [W-Band Wideband Transmit-Array Antenna Based on Multiresonance Multimode Huygens Metasurface](#) X. He, W. Yang, Y. Li, Q. Xue, and W. Che
- [An Ultrawideband H-Plane Monopulse Log-Periodic Antenna for Jamming Signal Finding](#) W. Diao, R. Li, Y. Li, and Z. Zhang
- [Design of High-Scanning-Rate and Full-Space-Scanning Leaky Wave Antenna Utilizing the Manipulation of Slow Wave Dispersion Curve](#) H.-H. Zhang, J. Ren, W. Li, X.-Y. Sun, R. He, and Y. Yin
- [On-Chip Miniaturized Cavity V-Band Coplanar Folded Slot Array With High Efficiency and Reduced Mutual Coupling](#) S. Y. Lee, D. L. West, S. A. Dasari, and N. Ghalichehian
- [Active-Passive Reconfigurable Antenna Covering 70–7200 MHz Bandwidth](#) S. Wang, Z. Liu, Y. Zhang, and Y. Li
- [Wideband High-Gain Metasurface Antenna Array Loaded With Substrate Integrated Cavity for X-Band Applications](#) Z.-G. Yan, P. Lei, Z.-Q. Liao, W.-Z. Lu, and X.-C. Wang
- [Design of Octa-Band Mobile Antenna in Metal-Bezel Smartphone With Wide Beamwidth in the Endfire Direction for n256-Band Satellite Communications](#) S. Rao and Y. Wang
- [Circularly Polarized High-Gain K-Band Liquid Crystal Phased Array Antenna](#) J. Liu, F. Liang, Y. Wang, X. Ni, X. Wang, D. Zhao, and B.-Z. Wang
- [Widebeam Dielectric Resonator Antenna for Wide-Angle Beam-Scanning Phased Array Based on Electromagnetic Complementarity Principle](#) W. Li, J. Ren, H.-H. Zhang, Y. Lu, Y. Liu, and Y. Yin
- [Constrained Infinitesimal Dipole Modeling-Assisted Ensemble Prediction of Embedded Element Patterns via Machine Learning](#) N. B. Onat, I. Roldan, F. Fioranelli, A. Yarovoy, and Y. Aslan
- [Electronically Reconfigurable Filtering Reflectarray Antenna Using Polarization Conversion Elements With Controllable Conversion Zeros](#) W. Fu, Y. Cai, P. Mei, G. F. Pedersen, and S. Zhang
- [Multibeam Higher-Order Space-Harmonics-Enabled Leaky Wave Antenna Using Microstrip Phase Delay Lines](#) Y. Zhang, Y. Yao, J. Hu, E. Forsberg, and S. He
- [Millimeter-Wave Quasi-Elliptical Bandpass FSS Using Macro Cells](#) H. Jiang, Z. Zhang, Y. Zhang, M. Qian, S. Liao, and Q. Xue
- [A Microwave/Millimeter-Wave Shared-Aperture Filtering Antenna With Reused via Structure](#) J.-X. Chen, J.-Y. Yang, X.-H. Ding, T.-Y. Yan, Y.-L. Li, and W.-W. Yang
- [A Wideband High-Efficiency Side-Connected Magnetoelectric Dipole Antenna Array Using Novel Feeding Technology for W-Band](#) W. Tan, Y. He, H. Luo, G. Zhao, and H. Sun
- [A General Analytical Arrangement for Large-Spacing Planar Scanning Array Grating Lobe Suppression Based on Energy Homogenization Theory](#) Y. Zeng, X. Ding, X.-L. Ye, F. Costa, G. Manara, and S. Genovesi
- [Broadband RCS Reduction, Antenna Miniaturization, and Bandwidth Enhancement by Combining Reactive Impedance Surface and Polarization Conversion Metasurface](#) Q. Zheng, W. Liu, Q. Zhao, L. Kong, Y.-H. Ren, and X.-X. Yang
- [A Lightweight Segmented RFID Tag Antenna With a Combined Ferrite Core for Underground Applications](#) J. Liang, C. Wu, J. Zhu, B. Tao, and Z. Yin
- [A Hybrid SI-FDTD Method to Analyze Scattering Fields From Underwater Complex Targets](#) M. Yang, K. Liu, K. Zheng, Q. Wu, and G. Wei
- [Out-of-Distribution Domain Exploration by a Multifidelity Deep Learning Model to Estimate Electromagnetic Responses of Metasurfaces](#) N. Wang, G. Wan, Q. Ding, and X. Ma
- [Efficient Characteristic Mode Analysis Based on Data-Sparse Matrix Algorithm](#) T. Wan, W. J. Wang, Y. Bao, and Y. F. Chen
- [Reconfigurable Metasurface Reflectors Using Split-Ring Resonators With Co-Designed Biasing for Magnitude/Phase Control](#) M. K. Emara, D. Kundu, K. Macdonell, L. Rufail, and S. Gupta
-