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Ph.D. Student in Electrical Engineering, admitted Autumn 2021

Publications

PUBLICATIONS

- **A 50-MHz GaN Class- Φ Power Amplifier With a CMOS-Based Resonant Gate Driver** *IEEE MICROWAVE MAGAZINE*
Lin, C. H., Ye, Z., Rivas-Davila, J.
2025; 26 (6): 139-145
- **Design of a Load Invariant Class-E Amplifier for an Inductively Heated Fluidized Bed**
Hollett, R. A., Lin, C. H., Jensen, D. R., Fan, J. A., Rivas-Davila, J., IEEE
IEEE.2025
- **Electrified thermochemical reaction systems with high-frequency metamaterial reactors** *JOULE*
Lin, C. H., Wan, C., Ru, Z., Cremers, C., Mohapatra, P., Mantle, D. L., Tamakuwala, K., Hofelmann, A. B., Kanan, M. W., Rivas-Davila, J., Fan, J. A.
2024; 8 (10)
- **Design of a High-Voltage Low-Ripple Converter With High-Frequency Dickson Multipliers** *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*
Ye, Z., Surakitbovorn, K., Lin, C. H., Rivas-Davila, J.
2024
- **Class- ϕ 2 Power Amplifier With Resonant Gate Driver: High-Efficiency Power Amplifier for 50 MHz** *IEEE MICROWAVE MAGAZINE*
Ye, Z., Lin, C. H., Rivas-Davila, J.
2024; 25 (6): 88-92
- **High-Speed Power Modulation of a Series-Stacked Φ 2 RF Power Amplifier**
Lin, C. H., Ye, Z., Rivas-Davila, J., IEEE
IEEE.2024
- **Frequency-tuning Matching Network for Load-varying Applications**
Ye, Z., Surakitbovorn, K., Lin, C., Rivas-Davila, J., IEEE
IEEE.2024: 1604-1607
- **Comparison of GaN and Si Devices in a 50 MHz Class Φ 2 Converter**
Ye, Z., Lin, C., Rivas-Davila, J., IEEE
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- **1 kW 6.78 MHz Push-Pull Φ 2 Amplifier for Induction Heating**
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IEEE.2024: 595-599