



## Calvin H Lin

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

### Publications

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#### PUBLICATIONS

- **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- $\phi_2$  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  $\Phi_{2\phi}$  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  $\Phi_{2\phi}$  Converter**  
Ye, Z., Lin, C., Rivas-Davila, J., IEEE  
IEEE.2024: 1790-1793
- **1 kW 6.78 MHz Push-Pull  $\Phi_{2\phi}$  Amplifier for Induction Heating**  
Lin, C. H., Ye, Z., Stolt, E., Rivas-Davila, J., IEEE  
IEEE.2024: 595-599