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Bio

LINKS

- Personal Site: <https://web.stanford.edu/~yezcz15/index.html>

Publications

PUBLICATIONS

- **Broadband High-Frequency Power Modulation With Resistance Regulation Network** *IEEE TRANSACTIONS ON POWER ELECTRONICS*
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- **Current Mode Control for High Frequency Piezoelectric Resonator-Based DC-DC Converters** *IEEE TRANSACTIONS ON POWER ELECTRONICS*
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2025; 40 (9): 12730-12738
- **A 50-MHz GaN Class- Φ^2 Power Amplifier With a CMOS-Based Resonant Gate Driver** *IEEE MICROWAVE MAGAZINE*
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- **Broadband High Frequency Power Conversion With Frequency-Tuning Matching Network** *IEEE OPEN JOURNAL OF POWER ELECTRONICS*
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- **On The Design of Switched-Mode Broadband High Frequency Power Inverters**
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- **Design of a High-Voltage Low-Ripple Converter With High-Frequency Dickson Multipliers** *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*
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- **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.
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- **1 kW 6.78 MHz Push-Pull Φ^2 Amplifier for Induction Heating**
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- **Comparison of GaN and Si Devices in a 50 MHz Class Φ^2 Converter**
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- **Frequency-tuning Matching Network for Load-varying Applications**

Ye, Z., Surakitbovorn, K., Lin, C., Rivas-Davila, J., IEEE
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● **High-Speed Power Modulation of a Series-Stacked Φ^2 RF Power Amplifier**

Lin, C. H., Ye, Z., Rivas-Davila, J., IEEE
IEEE.2024

● **A Low-Ripple High-Frequency High-Voltage Power Supply for Ion Pumps**

Ye, Z., Surakitbovorn, K., Park, S., Rivas-Davila, J., IEEE
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● **Class DE Switch-Mode Power Amplifier Using GaN Power HEMTs** *IEEE MICROWAVE MAGAZINE*

Tong, Z., Ye, Z., Rivas-Davila, J.
2022; 23 (3): 72-79

● **A High Frequency Resonant Gate Driver for SiC MOSFETs**

Ye, Z., Tong, Z., Gu, L., Rivas-Davila, J., IEEE
IEEE.2021

● **On the Techniques to Utilize SiC Power Devices in High- and Very High-Frequency Power Converters** *IEEE TRANSACTIONS ON POWER ELECTRONICS*

Tong, Z., Gu, L., Ye, Z., Surakitbovorn, K., Rivas-Davila, J.
2019; 34 (12): 12181–92

● **Cascode GaN/SiC Power Device for MHz Switching**

Xu, J., Gu, L., Ye, Z., Kargarrazi, S., Rivas-Davila, J., IEEE
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