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Bio

LINKS

• website: https://web.stanford.edu/~leigu/

Publications

PUBLICATIONS

• An Integrated RF Power Delivery and Plasma Micro-Thruster System for Nano-Satellites  *FRONTIERS IN PHYSICS*
  Liang, W., Charles, C., Raymond, L., Stuchbery, A., Surakitbovorn, K., Gu, L., Boswell, R., Rivas-Davila, J.
  2018: 6

• 60 V-to-35 kV Input-Parallel Output-Series DC-DC Converter Using Multi-Level Class-DE Rectifiers
  Park, S., Gu, L., Rivas-Davila, J., IEEE
  IEEE.2018: 2235–41

• High-Frequency Resonant Converter with Synchronous Rectification for High Conversion Ratio and Variable Load Operation
  Gu, L., Surakitbovorn, K., Rivas-Davila, J., IEEE
  IEEE.2018: 632–38

• High-Frequency Bidirectional Resonant Converter for High Conversion Ratio and Variable Load Operation
  Gu, L., Surakitbovorn, K., Zulauf, G., Chakraborty, S., Rivas-Davila, J., IEEE
  IEEE.2018

• Effect of Class 2 Ceramic Capacitance Variations on Switched Capacitor and Resonant Switched Capacitor Converters
  Xu, J., Gu, L., Hernandez, E., Rivas-Davila, J., IEEE
  IEEE.2018

• A Wide Input Range Isolated Stacked Resonant Switched-Capacitor dc-dc Converter for High Conversion Ratios
  Li, Y., Gu, L., Hariya, A., Ishizuka, Y., Rivas-Davila, J., Sanders, S., IEEE
  IEEE.2018

• Design of Very-High-Frequency Synchronous Resonant DC-DC Converter for Variable Load Operation
  Gu, L., Liang, W., Davila, J., IEEE
  IEEE.2017: 3447–54

• A compact RF power inverter with reduced EMI for a CubeSat electrothermal micro-thruster
  Liang, W., Cui, X., Raymond, L., Gu, L., Charles, C., Boswell, R., Rivas-Davila, J., IEEE
  IEEE.2017

• A Multi-resonant Gate Driver for Very-High-Frequency (VHF) Resonant Converters
  Gu, L., Liang, W., Rivas-Davila, J., IEEE
  IEEE.2017
Energy consumption analysis of constant voltage and constant current operations in capacitive deionization

Qu, Y., Campbell, P. G., Gu, L., Knipe, J. M., Dzenitis, E., Santiago, J. G., Stadermann, M.
2016; 400: 18-24