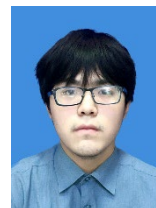


HeyuanLi

E-mail: lihy4@shanghaitech.edu.cn Phone: 19946221429



Education

- 2020.9-Now ◆ ShanghaiTech University Master Electronic science and technology, GPA: 3.82/4.0
- 2016.9-2020.6 ◆ University of Shanghai for Science and Technology Bachelor Electrical engineering and automation

Research

- 2020.10-2021.10 ▶ Measurement and evaluate of radiative harmonic in IPT system
Simulation, experiment and measurement base on the impedance characteristic
- 2021.11-2022.02 ▶ Circular Capacitive Coupler With Multi-Layer Interleaving for Stable Output
- 2022.03-Now ▶ Measurement and evaluate of radiative harmonic in IPT system
Design an IPT system based on differential Class-E amplifier.
Simulation, experiment and measurement the system.

Skills: **ANSYS Maxwell, HFSS Model ADS Simulation**
Impedance analyzer、VNA、Spectrum analyzer、Scope
Field Probe Others (Source、Amplifier)

Publication

- H. Li**, Y. Liu, M. Fu*, "Circular Capacitive Coupler With Multi-Layer Interleaving for Stable Output", IEEE Transactions on Microwave Theory and Techniques, under review.
- Y. Yin, **H. Li**, and M. Fu*, "Inductive Coupler Analysis Based on Scattering Parameters With Non-Standard Terminal Impedance", IEEE Journal of Emerging and Selected Topics on Power Electronics, under review.
- Y. Jiang, **H. Li**, Y. Liu, J. Liang and M. Fu*, "Multi-Constraint Design of Single-Switch Resonant Converters Based on Extended Impedance Model", IEEE Transactions on Power Electronics, under review.
- Y. Yin, **H. Li**, and M. Fu*, "An Intergrated Receiver for Inductive Power Transfer", IEEE Transactions on power Electronics, to be submitted.
- H.Li**, Y. Jiang and M.Fu, "Evaluation of Radiative EMI in IPT Systems", International Conference on Wireless Power Transfer (ICWPT), Nanjing, China, June 25-28, 2021.
- H. Li**, Y. Liu, Y. Ying and M. Fu, "Circular Capacitive Coupler for Stable Output Under Horizontal Misalignment," 2022 IEEE 31th International Symposium on Industrial Electronics (ISIE), Anchorage, Alaska, USA, June. 1-3, 2022.
- Y. Jiang, **H. Li** and M. Fu, "Bidirectional High-Frequency Inductive Power Transfer Systems Based on Differential Load-Independent Class E Converters," 47th Annual Conference of the IEEE Industrial Electronics Society (IECON), Oct. 13-16, 2021.
- Y. Jiang, **H. Li** and M. Fu, "High-Frequency DC/DC Converter Based on Differential Load-Independent Class E Inverter", IEEE International Power Electronics and Application Symposium (PEAS), Shanghai, China, Nov. 2021.