

## List of Publications

- [1] **Feng F.**, Wu F., & Gooi H. B. Impedance shaping of isolated two-stage converter for dc-link voltage stabilization. *IEEE Access*, vol. 7, pp. 18601-18610, Feb. 2019.
- [2] **Feng F.**, Zhang X., Lin F., & Gooi H. B. Impedance modeling and stability analysis of dual active bridge converter with LC input filter. *CES Transactions on Electrical Machines and Systems*, 2(3), 289-295, Sep. 2018.
- [3] **Feng F.**, Zhang X., Gooi H. B. Stability Enhancement via Controller Optimization and Impedance Shaping for Dual Active Bridge Converters-Based Energy Storage System. *IEEE Transactions on Power Electronics*, (conditional acceptance).
- [4] **Feng F.**, Zhang X., Gooi H. B. Comparison of SPS, DPS and CTPS modulation with fully consideration of stability of DAB with its LC filter. *IEEE Transactions on Power Electronics*, (under revision).
- [5] **Feng F.**, Zhang X., Gao P., Lin F., Gooi H. B. Impedance modeling and stability analysis of triple-phase-shift-based dual active bridge converter with LC filter. *10th International Conference on Power Electronics – ECCE Asia (ICPE 2019-ECCE Asia)*, May 2019.
- [6] **Feng F.**, Zhang X., Lin F., Gooi H. B. Stability Analysis and Optimization of Dual Active Bridge Converter with LC Input Filter. *2019 IEEE International Conference on Industrial Technology (ICIT)*, Feb. 2019.
- [7] **Feng F.**, Wu F., Gooi H. B. Small signal impedance model and stability analysis of bidirectional two-stage DC-DC-AC system. *2017 IEEE 3rd International Future Energy Electronics Conference and ECCE Asia (IFEEEC 2017-ECCE Asia)*, (pp. 1817-1821): IEEE.
- [8] Wu F., **Feng F.**, and Gooi, H. B. "Cooperative Triple-Phase-Shift Control for Isolated DAB DC-DC Converter to Improve Current Characteristics," *IEEE Transactions on Industrial Electronics*, vol. 66, no. 9, pp. 7022-7031, Sep. 2019.
- [9] Wu F., **Feng F.**, Luo L., Duan J., Sun L. Sampling period online adjusting-based hysteresis current control without band with constant switching frequency. *IEEE Transactions on Industrial Electronics*, 62(1), 270-277, Jan. 2015.
- [10] Wu F., **Feng F.**, Duan J., Sun, B. Zero-crossing disturbance elimination and spectrum analysis of single-carrier seven-level SPWM. *IEEE Transactions on Industrial Electronics*, 62(2), 982- 990, Feb. 2015.
- [11] Wu F., Li X., **Feng F.**, Gooi, H. B. Modified Cascaded Multilevel Grid-Connected Inverter to Enhance European Efficiency and Several Extended Topologies. *IEEE Trans. Industrial Informatics*, 11(6), 1358-1365, Dec. 2015.
- [12] Wu F., Duan J., **Feng, F.** Modified single-carrier multilevel sinusoidal pulse width modulation for asymmetrical insulated gate bipolar transistor-clamped grid-connected inverter. *IET Power Electronics*, 8(8), 1531-1541, Jul. 2015.

- [13] Wu F., Li X., **Feng, F.**, Gooi H. B. Efficiency enhancement scheme of cascaded multilevel grid-connected inverter and its improvement to eliminate effect of non-ideal grid conditions. *International Journal of Electrical Power & Energy Systems*, 76, 120-128.