

國際期刊論文:

- [1] K. K. N. Huynh, **K. H. Chen**, T. J. Liang and W. Y. Huang, "Soft-Switching Full-Bridge Forward-Flyback Converter Without Output Inductor," in *IEEE Transactions on Power Electronics*, vol. 40, no. 12, pp. 18164-18177, Dec. 2025. (SCI)
- [2] T. J. Liang, K. K. N. Huynh, **K. H. Chen**, W. Y. Huang, and T. A. A. Tran, "Forward-Flyback Integrated Converter with Voltage Clamping and Soft-Switching," in *IEEE Transactions on Power Electronics*, vol. 39, no. 10, pp. 13365-13376, Oct. 2024. (SCI)
- [3] P. Luo, T. J. Liang, **K. H. Chen**, S. M. Chen, and J. F. Chen, "Syntheses of Three-Port DC–DC Converters," in *IEEE Transactions on Power Electronics*, vol. 38, no. 12, pp. 16196-16207, Dec. 2023 (SCI)
- [4] T. J. Liang, T. A. A. Tran, K. K. N. Huynh, and **K. H. Chen**, "Soft-Switching Three-Port Converter With a Three-Winding Coupled Inductor," in *IEEE Journal of Emerging and Selected Topics in Power Electronics*, vol. 11, no. 5, pp. 5470-5485, Oct. 2023. (SCI)
- [5] T. J. Liang, T. A. A. Tran, K. K. N. Huynh, **K. H. Chen** and S. M. Chen, "High Step-Up Three-Port Converter for Renewable Energy Systems," in *IEEE Access*, vol. 11, pp. 47432-47447, 2023. (SCI)
- [6] K. K. N. Huynh, T. J. Liang, T. A. A. Tran and **K. H. Chen**, "Three-Port Converter with Leakage Inductance Energy Recycling for High Step-Down Applications," in *IEEE Journal of Emerging and Selected Topics in Power Electronics*, vol. 11, no. 4, pp. 4453-4462, Aug. 2023. (SCI)
- [7] P. Luo, T. J. Liang, **K. H. Chen** and S. M. Chen, "Design and Implementation of a High Step-Up DC-DC Converter with Active Switched Inductor and Coupled Inductor," in *IEEE Transactions on Industry Applications*, vol. 59, no. 3, pp. 3470-3480, May-June 2023. (SCI)
- [8] T. J. Liang, J. F. Chen, L. R. Chang-Chien, J. Y. Lee, T. L. Lee, C. C. Kuo, Y. Jen. Liu, C. T. Ma, W. C. Chen, **K. H. Chen**, G. T. Peng, "Implementation and Applications of Grid-Forming Inverter with SiC for Power Grid Conditioning, " *IEEJ Journal of Industry Applications*, 2023, Volume 12, Issue 3, Pages 244-253, Released on J-STAGE May 01, 2023. (SCI)
- [9] T. J. Liang, K. F. Liao, **K. H. Chen** and S. M. Chen, "Three-Port Converter With Single Coupled Inductor for High Step-Up Applications," in *IEEE Transactions on Power Electronics*, vol. 37, no. 8, pp. 9840-9849, Aug. 2022. (SCI)
- [10] T. J. Liang, P. Luo and **K. H. Chen**, "A High Step-Up DC–DC Converter With Three-Winding Coupled Inductor for Sustainable Energy Systems," in *IEEE Transactions on Industrial Electronics*, vol. 69, no. 10, pp. 10249-10258, Oct. 2022. (SCI)
- [11] T. J. Liang, **K. H. Chen** and J. F. Chen, "Primary Side Control For Flyback Converter Operating in DCM and CCM," in *IEEE Transactions on Power Electronics*, vol. 33, no. 4, pp. 3604-3612, April 2018. (SCI)
- [12] S. M. Chen, M. L. Lao, Y. H. Hsieh, T. J. Liang and **K. H. Chen**, "A Novel Switched-Coupled-Inductor DC–DC Step-Up Converter and Its Derivatives," in *IEEE Transactions on Industry Applications*, vol. 51, no. 1, pp. 309-314, Jan.-Feb. 2015. (SCI)