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所有發表期刊論文及研討會論文

- [1] Tsai-Fu Wu, **Sheng-Yu Tseng** and Jin-Chyuan Hung, " Generation of Pulsed Electric Fields for Processing Microbes ," *IEEE Trans. on Plasma Science* , vol. 32, No. 4, August 2004 , pp. 1551 – 1562.
- [2] Yaow-Ming Chen, **Sheng-Yu Tseng** , Cheng-Tao Tsai and Tsai-Fu Wu, "Interleaved Buck Converters with a Single-Capacitor Turn-Off Snubber," *IEEE Trans. on Aerospace and Electronic Systems* , Vol. 40, No. 3, July 2004, pp. 954-967.
- [3] Tsai-Fu Wu, Jin-Chyuan Hung , **Sheng-Yu Tseng** and Yaow-Ming Chen , " A Single-Stage Fast Regulator with PFC Based on an Asymmetrical Half-Bridge Topology ," *IEEE Trans. on Industrial Electronics* , Vol. 42, NO. 1, February 2005, pp. 139-150.
- [4] 蘇東陞、**曾聖有**、吳財福, " 具主動箝位軟切之全橋轉換器於經皮給藥應用," 電力電子雙月刊, Vol. 1, No. 2, Nov. 2003, pp. 17-25.
- [5] 吳財福、**曾聖有**、蘇東陞, " 具自動參數調整之家畜致昏器研製" 電力電子雙月刊, Vol. 2, No. 5, Sept. 2004, pp. 21-30.
- [6] **曾聖有**、吳財福、陳世賢、吳名偉, " 軟切換高脈衝電場產生器於微生物殺菌應用," 電力電子雙月刊, Vol. 3, No. 1, Jan. 2005, pp. 47-57.
- [7] **Sheng-Yu Tseng** , Tsai-Fu Wu, Shr-Shion Chen and Yaow-Ming Chen , "Wide Pulse Combined Narrow Pulse Generator for Food Sterilization," *IEEE Trans. On Industrial Electronics* , accepted, Nov. 20, 2005.
- [8] Tsai-Fu Wu, **Sheng-Yu Tseng** and Jeng-Chang Guo, "A Forward Derived Converter and A Half-Bridge Inverter for Generating Wide Pulses Stacked with Narrow Pulses to Sterilize Solid Food," *IEEE Trans.on Industrial Electronic s*, revised, Jan. 1, 2005.
- [9] Tsai-Fu Wu, **Sheng-Yu Tseng** and Ming-Wai Wu, "Bipolar Narrow Pulse Generator with Energy Recovery Feature for Liquid Food," *IEEE Trans. On Industrial Electronics* , revised, May 25, 2006.
- [10] **Sheng-Yu Tseng** , Tsai-Fu Wu and Shu-Yuan Fan , " Generation of Multi-Phase Pulsed Voltages for Transdermal Drug Delivery ," *IEEE Trans. On Industrial Electronics* , revised, May 25, 2006.

- [11] **Sheng-Yu Tseng**, Tsai-Fu Wu and Jia-Shiun Hu, "Compact and Fast Multi-Switch Drivers for High Pulsed Voltage Generators," *IEEE Trans. On Industrial Electronics*, submitted, Jan. 2, 2005.
- [12] **Sheng-Yu Tseng** and Tsai-Fu Wu, " Quasi-Resonant Flyback Converter for Transdermal Drug Delivery Applications ," *IEEE Trans. On Industrial Electronics*, submitted, Sept. 8, 2005.
- [13] **Sheng-Yu Tseng**, Hung-Yuan Wang, and Chih-Yang Hsu, Performances of an Interleaved High Step-up Converter with Different Soft-switching Snubbers for PV Energy Conversion Applications, *International Journal of Photoenergy* (ISSN:1110-662X),October, 2013, Vol. 2013, Issue. 2013, 15pages, SCI, Ranking: 28/81 (ENERGY &FUELS).
- [14] **Sheng-Yu Tseng**, Hung-Yuan Wang, Chien-Chih Chen, PV power system using hybrid converter for LED indicator applications, *Energy Conversion and Management*, November (ISSN: 0196-8904), November, 2013, Vol. 75, Issue. 2013, page: 761-772, SCI, Ranking: 24/81 (ENERGY & FUELS).
- [15] **Sheng-Yu Tseng**, Chien-Chih Chen and Ching-Ting Huang, An Interleaved Boost Converter with Coupled Inductor for PV Energy Conversion, *WSEAS Transactions on CIRCUITS and SYSTEMS* (ISSN: 2224-266X),2014, Vol. 13, page: 47-61, EI.
- [16] **Sheng-Yu Tseng**, Chien-Chih Chen and Hung- Yuan Wang, Buck-boost/Forward Hybrid Converter for PV Energy Conversion, *International Journal of Photoenergy* (ISSN: 1110-662X), February, 2014, 14pages, SCI, Ranking: 28/81 (ENERGY & FUELS).

### Conference Papers:

- [1] T.-F. Wu, **S.-Y. Tseng**, Y.-C. Liu and T.-H. Yu, "Single-Stage, Current-Fed Push-Pull Electronic Ballast with Power Factor Correction," *Proceedings of the IEEE Industry Applications Annual Meeting Society, 1998*, pp. 2044-2051.
- [2] T.-F. Wu, J.-C. Hung, **S.-Y. Tseng** and Y.-M. Chen, "Analysis and Design of a Battery Charger with Interleaved PFC Based on an Asymmetrical Half-Bridge Topology," *Proceedings of IEEE International Telecommunications Energy Conference*, 2003, pp. 579-585.
- [3] T.-F. Wu, **S.-Y. Tseng**, C.-C. Lee and Y.-M. Chen, "Analysis and Design of a Soft-Switching Interleaved Forward Converter for Generating Pulsed Electric Fields," *Proceedings of IEEE International Telecommunications Energy Conference*, 2003, pp. 705-712.
- [4] J.-C. Hung, T.-F. Wu, **S.-Y. Tseng** and Y.-M. Chen, "High Power Factor Single-Stage ZVS Charger with Coupled Inductors," *Proceedings of IEEE Industry Applications Society Annual Meeting*, 2003, pp. 1890-1897.
- [5] **S.-Y. Tseng**, Y.-M. Chen, Y.-K. Huang, H.-T. Hsieh and T.-F. Wu, "Quasi-Resonant Flyback Converter for Transdermal Drug Delivery Applications," *Proceedings of IEEE Applied Power Electronics Conference*, 2004, pp. 1653-1659.
- [6] T.-F. Wu, **S.-Y. Tseng**, D.-S. Su, Y.-M. Chen and Y.-K. Chen, "Applications of Soft-Switching Full-Bridge Converter and Rotational Electric Field to Transdermal Drug Delivery," *Proceedings of IEEE Applied Power Electronics Conference*, 2004, pp. 919-925.
- [7] **S.-Y. Tseng**, T.-F. Wu, H.-R. Yang, J.-C. Guo and J.-C. Hung, "Soft-Switching Series-Resonant Converter to Generate High Output Voltage for Processing

Microbes," *Proceedings of IEEE Applied Power Electronics Conference* , 2004, pp. 905-911.

[8] T.-F. Wu, **S.-Y. Tseng** , J.-C. Guo and M.-W. Wu, "Analysis and Design of Multi-switch Driver for High Pulsed Voltage Generators," *Proceedings of IEEE Power Electronic Specialists Conference* , 2004, pp. 787-793.

[9] **S.-Y. Tseng** , T.-F. Wu, S.-S. Chen and M.-W. Wu, "A Combined Wide and Narrow Pulse Generators for Processing Microbes," *Proceedings of IEEE Power Electronic Specialists Conference* , 2005, pp. 375-381.

[10] **S.-Y. Tseng** , T.-F. Wu and S.-S. Chen, "Soft-Switching Push-Pull Converter Associated with a Full-Bridge Inverter for Livestock Stunning Applications," *Proceedings of IEEE Applied Power Electronics Conference* , 2006, pp. 1523-1529.

[11] **S.-Y. Tseng** , T.-F. Wu and J.-S. Hu, "Buck and Boost Derived Converter for Livestock Stunning Applications," *Proceedings of IEEE Applied Power Electronics Conference* , 2006, pp. 1530-1536.

[12] T.-F. Wu, **S.-Y. Tseng** and M.-W. Wu, "High Narrow Pulsed Electric Field Generator for Liquid Food Sterilization," *Proceedings of IEEE Applied Power Electronics Conference* , 2006, pp. 1354-1360.

[13] **S.-Y. Tseng** , S.-H. Tseng and J. G. Huang, "High Step-up Converter with Partial Energy Processing for Livestock Stunner Applications," *Proceedings of IEEE Applied Power Electronics Conference* , 2006, pp. 1537-1543.

[14] **S.-Y. Tseng** , H.-H. Chang and J. G. Huang, "Interleaving Boost Converters with Single-Capacitor Turn-Off Snubber," *Proceedings of IEEE Power Electronic Specialists Conference* , 2006, accepted.

[15] **S.-Y. Tseng**, B.-Z. Wen and J. G. Huang, "Interleaving Forward Converters with Single-Capacitor Turn-Off Snubber for Poultry Stunning Applications," *Proceedings of IEEE Power Electronic Specialists Conference*, 2006, accepted.

[16] **S.-Y. Tseng**, T.-F. Wu and U.-D. Chang, "Active Clamp Flyback Converter Associated with a Dither Signal Generator for Poultry Stunning Applications," *Proceedings of IEEE Power Electronic Specialists Conference*, 2006, accepted

[17] **S.-Y. Tseng**, Y.-K. Chen and U.-D. Chang, "A Systematic Approach to Developing Isolated Interleaving Converters with a Single-Capacitor Turn-Off Snubber," *Proceedings of IEEE Power Electronic Specialists Conference*, 2006, accepted.

[18] **S. -Y. Tseng**, J. G. Huang and H. H. Chang, "A Novel Turn-On/Off Snubber for Interleaving Boost Converters," *IEEE IPEMC*, 20 06, accepted.

[19] **S. -Y. Tseng**, J. G. Huang and S. H. Tseng, "High Step-up Converter Associated with soft-switching circuit with Partial Energy Processing for Livestock Stunning Applications," *IEEE IPEMC*, 20 06, accepted.