

## Refereed Journals

- 【1】 **P. H. Chen**, C. Li, Z. Dong, and, M. Priestley, “Inductive Power Transfer Battery Charger with IR-Based Closed-Loop Control,” *Energies*, Vol.15, no.21, Nov. 2022. (SCI, IF 3.252)
- 【2】 T. R. Chen, C. M. Chen, **P. H. Chen**, Y. L. Juan, Y. L. Lee, and H. M. Chang, “Coreless Inductive Power Supply for Ultrasonic Transducer on Machine tool,” *IEICE Electronics Express*, Vol.15, No.20, pp.1–10, Oct. 2018. (SCI, IF 0.578)
- 【3】 C.S. Wu, **B. S. Chen (P. H. Chen)**, T. R. Chen, Y.L. Juan, and C.F. Chang, “A Series-Connected Lead Acid Batteries Analyzer with MCU-Controlled Charging/Discharging Processes,” *Advanced Materials Research*, Vol. 1014, pp. 245-248, July 2014. (EI)

## Conference

- 【1】 **P. H. Chen**, Z. Y. Dong, and C. Li, “Contactless Battery Charger with Infrared Feedback Signal Transmission,” *3rd IEEE International Conference on Knowledge Innovation and Invention 2020*, Kaohsiung, Taiwan, Aug. 21-23, 2020.
- 【2】 **B. S. Chen (P. H. Chen)**, Y. L. Juan, T. R. Chen, P. S. Lai, and C. M. Chen, “Study on Sinusoidal Pulse-Width-Modulation Methods for Three-phase Induction Motor Drives,” 13<sup>rd</sup> Taiwan Power Electronics Conference & Exhibition, pp.626-631, Taipei, Taiwan, Sep. 4, 2014.
- 【3】 C.S. Wu, **B. S. Chen (P. H. Chen)**, T.R. Chen, Y.L. Juan, and C.F. Chang, “A Series-Connected Lead Acid Batteries Analyzer with MCU-Controlled Charging/Discharging Processes,” 4<sup>th</sup> International Conference on Industry, Information System and Material Engineering (IISME2014), Nanjing, China, July 26-27, 2014.
- 【4】 **B. S. Chen (P. H. Chen)**, S. C. Tsai, P.S. Lai, C. S. Wu, and Y. L. Juan, “A MCU Based Charging/Discharging Analyzer for Series-Connected Lead Acid Batteries,” 12<sup>th</sup> Taiwan Power Electronics Conference & Exhibition, Tainan, Taiwan, pp.569-573, Nov. 2013.
- 【5】 C. S. Huang, S. C. Chen, **B. S. Chen (P. H. Chen)**, C. H. Lai, and T. R. Chen, “Development of Lighting Infrared of Energy Efficiency Device with 8051 Single-Chip Application,” 8<sup>th</sup> International Conference on Green Energy Technology and Management,

GETM 2013, pp. 285-290, June, 2013. ISBN : 978-986-88295-2-7.

- 【6】 **B. S. Chen (P. H. Chen)**, Y. L. Lee, Y. L. Juan, Y. L. He, and C. Y. Chen, “Implementation of a Micro Controller Unit Based DC Current Measurement System,” *The 33<sup>rd</sup> Power Engineering Conference*, pp.2433-2438, Taipei, Taiwan, Dec.7-8, 2012.

### Approved U.S. Patents

- 【1】 C.Y. Chang, T.R. Chen, **P. H. Chen**, and B.Y. Lai, “Charging Apparatus for Electric Vehicle,” U.S. Patent No. US10759296B2, Sep. 1, 2020.
- 【2】 Y. L. Lee, T. R. Chen, C. Y. Huang, S. M. Chen, and **P. H. Chen**, “Automated warehouse storage and retrieval system,” U.S. Patent No. US10294026B1, May 21, 2019.
- 【3】 P. L. Chen, Y. L. Lee, **P. H. Chen**, T. R. Chen, and Y. L. Juan, “Band Saw Machine with Starting Cutting Position Control and Control Method Thereof,” U.S. Patent No. US10166616B2, Jan. 1, 2019.
- 【4】 P. L. Chen, Y. L. Lee, **P. H. Chen**, T. R. Chen, and Y. L. Juan, “Band Saw Machine with Starting Cutting Position Control and Control Method Thereof,” U.S. Patent No. US9962780B2, May 8, 2018.

### Approved Taiwan Patents

- 【1】 李義隆、陳財榮、陳淑敏、**陳柏瑄**，無立柱自動倉儲設備，中華民國專利，專利號碼：發明第 I681916 號，109 年 1 月 11 日。
- 【2】 陳財榮、張志遠、**陳柏瑄**、賴柄源，電動車非接觸式充電結構，中華民國專利，專利號碼：發明第 I653804 號，108 年 3 月 11 日。
- 【3】 李義隆、陳蓬萊、**陳柏瑄**、陳財榮、阮昱霖，具有起始鋸切位置控制的帶鋸機及其控制方法，中華民國專利，專利號碼：發明第 I574772 號，106 年 3 月 21 日。