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(A) 學術期刊論文 (Refereed Papers)

1. Yu-Chih Lin and Hsunling Bai, "Evaluation of the Economic Instruments on Nitrogen Oxides Removals: An Example of the Implementation of the Selective Catalytic Reduction Process," *Journal of the Chinese Institute of Environmental Engineering*, Vol.12, No. 2, 2002, pp. 113-121.
2. Feng-Tang Chang, Yu-Chih Lin, Hsunling Bai, and Bau-SheiPei, "Adsorption and Desorption Characteristics of VOCs' on the Thermal Swing Honeycomb Zeolite Concentrator," *Journal of the Air & Waste Management Association*, Vol. 53, 2003, pp. 1384-1390.
3. Yu-Chih Lin, Hsunling Bai, and Chung-Liang Chang, "Adsorption of Acetone on Hexagonal Nanostructured Zeolite Particles," *Journal of the Chinese Institute of Environmental Engineering*, Vol. 14, No.2, 2004, pp.99-105.
4. 林育旨、白曠綾、張豐堂，「半導體及光電產業現行揮發性有機廢氣控制設備之選用評估」，*工業污染防治季刊*，第 Vol.23 (1)卷，民國 93 年，23-31 頁。
5. Yu-chih Lin, Hsunling Bai and Chung-Liang Chang, "Applying Hexagonal Nanostructured Zeolite Particles for Acetone Removal," *Journal of the Air & Waste Management Association*, Vol.55, 2005, pp.834-840.
6. Yu-Chih Lin, Feng-Tang Chang, Hsunling Bai, and Bau-Shei Pei, "Control of VOCs Emissions by Condenser Pre-treatment in a Semiconductor Fab," *Journal of Hazardous Materials*, Vol. A120, 2005, pp.9-14.
7. 張豐堂、林育旨、白寶實、白曠綾、鄭石治，「次世代 TFT-LCD 產業揮發性有機廢氣處理設備之最佳化設置研究」，*工業污染防治季刊*，第 Vol.94 卷，民國 94 年，33-50 頁。
8. Hsunling Bai, Yu-chih Lin, 「Mesoporous Adsorbents for Air Pollution Control -A Review」，*Journal of the Chinese Colloid and Interface Society*，第 Vol. 27, No.1 卷，民國 94 年，1-15 頁。
9. Yu-chih Lin, Hsunling Bai, "Temperature effect on mesostructure of silica particles synthesized by aerosol spray method," *Aerosol and Air Quality Research*, Vol. 6, 2006, 3, pp. 43-53.
10. 林育旨，「沸石轉輪系統遭悶燃後之效能與材料特性分析」，*工業污染防治季刊*，民國 96 年 1 月，37-47 頁。
11. Chia-Hsin Lin, Yu-Chih Lin, Chung-Liang Chang, Wen-Chin Chen, Syh-Yuh Cheng, Yi-Hui Wang, Shih-Chin Lin, Shang-Hsiu Lee, "Photodecomposition of methylene-blue by highly-dispersed nano TiO₂/Ag

- catalyst," *React. Kinet. Catal. Lett.*, Vol. 90, 2007, 3, pp. 267-273.
12. Feng-Tang Chang, Yu-Chih Lin, "Cushioning the Pressure Vibration of a Zeolite Concentrator System via a Decoupled Balancing Duct System," *Environmental Progress*, Vol. 26, 2007, 4, pp. 188-196.
 13. 張智能、林育旨、黃建良、粘愷峻、張豐堂，「常溫觸媒濾材結合高級氧化分解惡臭物二甲基硫之研究」，*化工技術*，第 16 卷第 4 期，民國 97 年 1 月，170-176 頁。
 14. Yu-Chih Lin, Chia-Hsin Lin, "Catalytic and Photocatalytic Degradation of Ozone via Utilization of Controllable Nano-Ag Modified on TiO₂," *Environmental Progress*, Vol. 27, 2008, 12, pp. 496-502.
 15. Yu-Chih Lin, Chung-Liang Chang, Tser-Sheng Lin, Hsunling Bai, "Application of Activated Carbon Fiber Modified with Metal Catalyst via Physical Vapor Deposition Process for Ozone Removal," *Korean J. Chem. Eng*, Vol. 25, 2008, 5, pp. 446-450.
 16. Chiu-Ping Chang, Yu-Chih Lin, "Enhancement Effect of Double-Layer TiO₂/Activated Carbon Film for the Photocatalytic Oxidation of Gaseous Acetone," *Fresenius Environmental Bulletin*, Vol. 18, 2009, 2, pp. 968-974.
 17. Yu-Chih Lin, Feng-Tang Chang, "Optimizing Operating Parameters of the Honeycomb Zeolite Rotor Concentrator for Processing TFT-LCD VOCs with Competitive Adsorption Characteristics," *Journal of Hazardous Materials*, Vol. 164, 2009, 5, pp. 517-526.
 18. Chung-Liang Chang, Yu-Chih Lin, Hsunling Bai, Yu-Huei Liu, "Applying Spray Pyrolysis to Synthesize Mn Catalyst for Decomposing Isopropyl Alcohol in the Ozone- and the Thermal- Catalytic Oxidation," *Korean J. Chem. Eng*, Vol. 26, 2009, 7, pp. 1047-1052.
 19. Yu-Chih Lin, Ho-Shan Lee, "Effects of TiO₂ coating dosage and operational parameters in photocatalysis system of TiO₂/Ag for decolorizing Procion Red MX-5B," *Journal of Hazardous Materials*, Vol. 179, 2010, 4, pp. 462-470.
 20. Cheng-Hsiung Huang, Yu-Chih Lin, "Influence of substrate porosity and thickness on the collection efficiency of an impactor stage," *Journal of Aerosol Science*, Vol. 41, 2010, 4, pp. 364-372.
 21. Yuchih Lin, Chung-Liang Chang, Che-Wei Mei, "Utilizing Photoreduction Process to Anchor Metal on TiO₂ for Acid-Odors Removal," *Advanced Materials Research Journal*, Vol. 343, 2011, 09, pp. 188-192.
 22. Yuchih Lin, Chung-Liang Chang, Hong-Yi Cao, Sheng-Hsuan Hsiao, "Developing Cu-Mesoporous TiO₂ Cooperated with Ozone Assistance and

- Online-Regeneration System for Acid Odor Removal in All Weather,"World Academy of Science, Engineering and Technology, Vol. 66, 2012, 6, pp. 741-745.
23. Yu-Chih Lin, "Applying Ag-TiO₂/functional filter for abating odor exhausted from semiconductor and opti-electronic industries,"*Clean Technologies and Environmental Policy*, 2012, 9, p. accpeted.
24. Yu-Chih Lin, Liang-Yi Lin, Ming-Yi Gao, Yi-Ping Fang, "Mesoporous silica nanoparticles synthesized from LCD manufacturing extracts as a potential candidate for a drug delivery carrier: evaluation of their safety and biocompatibility," *International Journal of Nanomedicine*, Vol. 8, 2013, 10, pp. 3833-3842.
25. Yu-Chih Lin, Hsunling Bai, Chia-Hsin Lin, Jin-Fang Wu, "Applying surface charge attraction to synthesizing TiO₂/Ag composition for VOCs photodegradation," *Aerosol and Air Quality Research*, Vol. 13, 2013, 10, pp. 1512-1520.
26. Yu-Chih Lin, "Applying Ag-TiO₂/functional filter for abating odor exhausted from semiconductor and opti-electronic industries," *Clean Technologies and Environmental Policy*, Vol. 15, 2013, 4, p. 359–366.
27. Cheng-Chou Lin, Yu-Chih Lin, Ming-Yi Gao, Yi-Ping Fang, "In Vitro Evaluation of Permeation Ability and In Vivo Whitening of Ascorbic Acid 2-Glucoside in Microemulsion," *International Journal of Pharmaceutical Sciences Research*, Vol. 3, 2016, 12, pp. IJPSR-118.