

(A) 學術期刊論文 (Refereed Papers)

1. Bai, Hsunling, Lu, Chungsing and Chang, Chung-Liang, "A Model to Predict the System Performance of an Electrostatic Precipitator for Collecting Polydisperse Particles," *J. of the Air and Waste Management Association*, Vol. 45, No. 11, 1995, 11, pp. 908-916.
2. Wey, Ming-Yeh.and Chang, Chung-Liang, "Kinetic Study of Polymer Material Incineration," *Polymer Degradation and Stability*, Vol. 48, 1995, 4, pp. 25-33.
3. Chang, Chung -Liang and Bai, Hsunling, "An Experimental Study on the Performance of a Single Discharge Wire-plate Electrostatic Precipitator with Back Corona," *J. of Aerosol Science*, Vol. 30, No. 3, 1999, 3, pp. 325-340.
4. Chang, Chung-Liang and Bai, Hsunling, "Effects of some geometric parameters on the electrostatic precipitator efficiency at different operation indexes," *Aerosol Science & Technology*, Vol. 33, No. 3, 2000, 3, pp. 228-238.
5. 張宗良、李坤哲、塗佳霖，「豬隻廢棄物焚化動力研究」，元培學報，第 9 期，民國 91 年 12 月，9-17 頁。
6. Bai, H. , Chen, C.; Lin, C.; Den, W.; Chang, C.-L., "Monodisperse Nanoparticle Synthesis by Atmospheric Pressure Plasma Process: An example of Visible Light Photocatalyst," *Industrial & Engineering Chemistry Research*, Vol. 43, 2004, pp.7200-7203.
7. Lin, Tser-Sheng ,Chang, C-L and Shen, F-M, "Blood Vanadium in Taiwanese College Students," *Bulletin of Environmental Contamination and Toxicology*, Vol.73, 2004, pp.781-786.
8. Lu, Hsin-Chung and Chang. Chung-Liang, "The Characteristics of Frequency Distribution of PM10 inTaiwan," *Journal of the Chinese Institute of Environmental Engineering*, Vol. 14, No.3, 2004, 12, pp.173-182..
9. Lin, Yu-Chih, Bai, Hsunling and Chang, Chung-Liang, "Adsorption of acetone on hexagonal nanostructured zeolite particles," *Journal of the Chinese of Environmental Engineering*, Vol. 14, No. 2, 2004, 8, pp. 99-105.
10. Lin, Y.-C. , Bai, H. and Chang, C.-L., "Applying Hexagonal Nanostructured Zeolite Particles for Acetone Removal," *Journal of the Air & Waste Management Association*, Vol. 55, 2005, pp.834-840..
11. Chang, Chung-Liang , Bai, H. and Lu, S. J., "Destruction of Styrene in an

- Air streams by Packed Dielectric Barrier Discharge Reactors,"*Plasma Chemistry and Plasma Processing*, Vol. 25 No.6., 2005, 12, pp. 641-657.
12. Lin, T.-S. and Chang, C-L, "Thallium in Whole Blood Samples from College Students in Taiwan.,"*Bulletin of Environmental Contamination and Toxicology*, Vol.74, No.6, 2005, 6, 1053-1057.
13. Chang, C.-L. and Lin, T.-S., "Decomposition of Toluene and Acetone in Packed Dielectric Barrier Discharge Reactors,"*Plasma Chemistry and Plasma Processing*, Vol. 25 No.3., 2005, 6, pp.227-243.
14. Lin, T.-S. , Lin, C-S and Chang, C-L, "Trace Elements in Cultured Tilapia (*Oreochromis mossambicus*): Results from a Farm in Southern Taiwan,"*Bulletin of Environmental Contamination and Toxicology*, Vol.74, No.2., 2005, 8, pp.308-313..
15. Chang, C.-L. and Lin, T.-S., "Elimination of Carbon Monoxide in the Gas Streams by Dielectric Barrier Discharge Systems with Mn Catalyst,"*Plasma Chemistry and Plasma Processing*, Vol. 25 No.4., 2005, 8, pp. 387-401.
16. Chang, C.-L. and Lin, T.-S., "Pt/Rh and Pd/Rh Catalysts Used for Ozone Decomposition and Simultaneous Elimination of Ozone and Carbon Monoxide,"*Reaction Kinetics and Catalysis Letters*, Vol.86, No.1, 2005, 9, pp91-98..
17. Wu, C. H. , Chang, C. L. and Kuo, C. Y., "Decolorization of Amaranth by Advanced Oxidation Processes,"*Reaction Kinetics and Catalysis Letters*, Vol.86, No.1, 2005, 9, pp37-43..
18. Chung-Hsin Wu and Chung-Liang Chang, "Decolorization of Reactive Red 2 by advanced oxidation processes: Comparative studies of homogeneous and heterogeneous systems,"*Journal of Hazardous Materials*, Vol. B128, 2006, 2, 265-272.
19. Lu, Hsin-Chung, Chang, Chung-Liang and Hsieh, Jen-Chieh, "Classification of PM10 distributions in Taiwan,"*Atmospheric Environment*, Vol. 40 (8), 2006, 3, 1452-1463.
20. Chung-Liang Chang, "Catalytic elimination of carbon monoxide in gas streams by thermal and ozone oxidations,"*Reaction Kinetic Catalysis Letters*, Vol. 89, 2006, 4, 105-103.
21. Huang, C-H, Chang, C-L. and Lin, T-S., "Classification of Particles in Particle-Laden Stream that Discharges on Stainless Steel Fibrous Filters.,"*Korean J. Chem. Eng*, Vol. 24, 2007, 10, p. 413.
22. Chen, C., Bai*, H. and Chang, C.-L., "Effect of Plasma Processing Gas

- Composition on the Nitrogen-Doping Status and Visible Light Photocatalysis of TiO₂," *J. of Physical Chemistry: C.*, 2007, 12, p. 15228.
23. Chen C., Bai H. , Chang S.-M., Chang C. L. and Den W., "Preparation of N-doped TiO₂ Photocatalyst by Atmospheric Pressure Plasma Process for VOCs Decomposition under UV and Visible Light Sources," *Journal of Nanoparticle Research*, Vol. 9, 2007, 3, p. 1388.
24. Lin, C.-H., Lin, Y.-C, Chang, C.-L., Chen, W.-C., Cheng, S.-Y., Wang, Y.-H., Lin, S.-C., Lee, S.-H., "Photodecomposition of Methylene-blue by Highly-dispersed nano TiO₂/Ag Catalyst," *Reaction Kinetics and Catalysis Letters*, Vol. 90, 2007, 4, p. 267?273.
25. Chung-Hsin Wu, Chao-Yin Kuo, Chung-Liang Chang, "Decolorization of azo dyes using catalytic ozonation," *Reaction Kinetics and Catalysis Letters*, Vol. 91, 2007, 6, pp.161-168.
26. Lin, Y.-C., Chang, C.-L., Lin, T.-S., Bai, H., Yan, M.-G., Ko,, "Applying Physical Vapor Deposition Process to Modifying Activated Carbon Fiber on Ozone Reduction," *Korean J. Chem. Eng.*, 2008, 1, pp. 446-450.
27. Huang, C-H., Chang, C-L, "Particulate Matter Removal from a Gas Stream Using High-Voltage Discharge Plasma," *Separation Science and Technology*, 2008, 1, pp. 1260-1271.
28. Wu, C. H.,, Chang, C. L., and Kuo, C. Y., "Decolorization of Procion Red MX-5B in electrocoagulation (EC), UV/TiO₂ and ozone related systems" *Dyes and Pigments*, Vol. 76, 2008, 10, p. 187.
29. Huang, CH; Chang, CL, "Removal of particulate matter from an air stream by a packed dielectric barrier discharge ,"*KOREAN JOURNAL OF CHEMICAL ENGINEERING*, Vol. 25, 2008, 12, pp. 1477-1482.
30. Wu, C. H, Kuo, C. Y., and Chang, C. L., "Homogeneous Catalytic Ozonation of C.I. Reactive Red 2 by Metallic Ions in a Bubble Column Reactor," *J. Hazardous Materials*, Vol. 154, 2008, 12, pp. 748-755.
31. Wu, C. H., Kuo, C. Y., and Chang, C. L., "Decolorization of C.I. Reactive Red 2 by Catalytic Ozonation Processes," *J. Hazardous Materials*, Vol. 153, 2008, 12, pp. 1052-1058.
32. Chung-Liang Chang, Yu-Chin Lin, Hsunling Bai, Yu-Huei Liu, "Applied spray pyrolysis to synthesize MnO_x for decomposing isopropyl alcohol in ozone and thermal catalytic oxidation," *Korean J. Chem. Eng.*, Vol. 26, 2009, 7, pp. 1047-1052.
33. M.H. Chiang, J.Y. Wu , Y.H. Li , J.S. Wu, S.H. Chen, C.L. Chang, "Inactivation of E. coli and B. subtilis by a parallel-plate dielectric barrier

- discharge jet,"*Surface & Coatings Technology*, Vol. 204, 2010, 6, pp. 3729-3737.
- 34.張秋萍，張文彥，張宗良，謝明學，「摻氮二氧化鈦在可見光下分解氯相丙酮」，*健康管理學刊*，第 9 卷第 2 期，民國 100 年 12 月，209-217 頁。
- 35.徐祥馨，黃文濤，張宗良，張林松，賴，「兒茶素的生物活性分析」，加馬，民國 100 年 12 月，19~26 頁。
36. Lin, Y.-C., Chang, "Utilizing Photoreduction Process to anchor metal on TiO₂ for acid-odors removal,"*Advanced Materials Research*, Vol. 343, 2012, 1, pp. 188-192.
37. 張宗良、徐詮亮、邱挺瑋、陳飛揚、洪雪芬，「常壓非熱電漿應用於表面滅菌之研究回顧」，*健康管理學刊*，第 10 卷第 2 期，民國 101 年 12 月，200-210 頁。
38. Wu, C. C., Lin, Tser-Sheng, Yang, Tzu-Ting, Hsu, H. W., Chang, Chung-Liang, Huang, C. H., Lin, W. Y, "Seasonal Variation and Health Risk Assessment of Polycyclic Aromatic Hydrocarbons in Miaoli City, Taiwan"*Bull. Environ. Contam. Toxicol.*, Vol. 88, 2012, 3, pp. 433-437.
39. 施科念、黃文濤、張宗良，「腫瘤的基因療法」，*台灣醫學*，第 16 卷第 3 期，民國 101 年 5 月，308-319 頁。
40. Lin, Yuchih, Chang, Chung-Liang, Cao, Hong-Yi, Hsiao, Sheng-Hsuan, "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.
41. 施科念、黃文濤、張宗良、溫小娟、廖美華，「泛素-蛋白酶系統-治療腫瘤的新標靶」，*健康管理學刊*，第 10 卷第 1 期，民國 101 年 6 月，13-22 頁。
42. 李民賢、林仲聖、張宗良，「電視觀看與學童零食消費行為相關性研究」，*健康管理學刊*，第 11 卷第 2 期，民國 102 年 12 月，157 -165 頁。
43. Shih Ko-Nien, Huang Wen-Tao, Chang Chung-Liang, Feng Chih-Chung, "EFFECTS OF IXERIS CHINENSIS (THUNB.) NAKAI BOILINGWATER EXTRACT ON HEPATITIS B VIRAL ACTIVITY AND HEPATOCELLULAR CARCINOMA,"*Afr J Tradit Complement Altern Med*, Vol. 11, 2014, 1, pp. 187-193.
44. Po-Min Kao, Bing-Mu Hsu, Tsui-Kang Hsu, Yi-Chou Chiu, Chung-Liang Chang, Wen-Tsai Ji, Shih-Wei Huang, Cheng-Wei Fan, "Application of TaqMan qPCR for the detection and monitoring of Naegleria species in reservoirs used as a source for drinking water ,"*Parasitology Research Shih-Wei Huang & Cheng-Wei Fan*, Vol. 113, 2014, 10, p. 3765–3771.

