

研究成果

一、期刊論文(Journal Paper)

(一) 準備中的論文(Preparing Paper)

1. Wun-Hong Lian, Chine-Hong Chen, **Chiing-Chang Chen***, “**Nanostructured WO₃/TiO₂ heterostructures catalyst high visible light photocatalytic activity**”, *J. Hazardous Material*, 2014 (In Preparing, SCI: 5.265, Ranking: 24/135, Citations=?).
2. Chen Ya-Qian, Chen Chien-Hong, **Chen Chiing-Chang***, “**Degradation efficiency and mechanism of Crystal Violet dye by persulfate advanced oxidation process**”, *J. Hazardous Materials*, 2013 (In Preparing, SCI: 4.331, Ranking: 1/91, Citations=).
3. Jau-Yuan Chen, Shih-Tsuen Huang, Jian Xun Wang, **Chiing-Chang Chen***, “**Photocatalytic degradation and products of chloramphenicol by ZnO₂/ZnO nanocomposite**”, *Chemical Engineering J.*, 2015 (In Preparing, SCI: 3.723, Ranking:1/91, Citations=).
4. Wei-Chieh Lin, Shie-Ru Tsai, **Chiing-Chang Chen***, “**Degradation Efficiencies and Mechanisms of Sulfan Blue with Bismuth Titanate Photocatalyst**”, *Applied Catalysis A: General*, 2013 (In Preparing, SCI: 3.383, Ranking: 30/121, Citations=).
5. Jau-Yuan Chen, William Wen-Lian Lee, Jia-Lin Chang, Ming-Li Ho, **Chiing-Chang Chen***, “**Mechanistic Pathways Differences between ZnO and Pt-ZnO Mediated CV Photodegradation**”, *J. Hazardous Materials* 2013 (In Preparing, SCI: 4.331, Ranking:1/91, Citations=).
6. YU-ROU JIANG, JAU-YUAN CHEN, MEI-CHUN CHENG, **CHIING-CHANG CHEN***, “**Synthesis, photocatalytic activities of WO₃/ZnWO₄/ZnO system and their degradation mechanism for Victoria Blue R dye**”, *J. Catalysis*, 2013 (In Preparing, SCI: 5.713, Ranking: 2/126, Citations=).
7. Shih-Tsuen Huang, Meichun Cheng, Jauyuan Chen, Yurou Jiang, **Chiingchang Chen***, “**Photocatalytic degradation of crystal violet over Bi₂WO₆ prepared by different hydrothermal methods: A comparative study**”, *J. Physical Chemistry C*, 2013, (In Preparing, SCI: IF=4.524, Ranking: 28/113, Citations=).
8. **Chiing-Chang Chen***, Juei-Lin Chen, Chia-Wei Wu, Ci-Cang Zhutian, “**Synthesis of Nanotube-TiO₂ from NaOH Treatment on Micro-sized TiSi₂ powder**”, *J. Hazardous Materials*, 2013 (In Preparing, SCI: 4.331, Ranking:1/91, Citations=).
9. **C.C. Chen***, H.J. Fan, M.R. Chiou, F.D. Mai, “**Determination of the Degraded Pathway and Identification of Intermediates by HPLC-MS and GC-MS on Photocatalytic Degradation of Crystal Violet Using Microwave Assisted Synthesis of ZnO**”, *Desalination* 2013 (In Preparing, SCI: IF= 1.851, Ranking: 42/116, Citations).
10. Cyong-Ying Liou, Ya-Yun Lai, Jian-Xun Wang, **Chiing-Chang Chen***, “**Transesterification of soybean oil to biodiesel using NaBiO₃ and NaVO₃ as a solid base catalyst**”, *Fuel Processing Technology* 2013. (In Preparing, SCI: IF=2.945, Ranking: 19/126, Citations=0).
11. Mei-Chun Cheng, **Chiing-Chang Chen***, “**Degradation of AB1 Dye by Co²⁺/Peroxymonosulfate**”, *J. Hazardous Materials*, 2013 (In Preparing, SCI: 4.331, Ranking: 1/91, Citations=).
12. Yen-Ju Chen, Wenlian William Lee, Chung-Wei Chuang, Hsiu-Yuan Lu, Yu-Rou Jiang, Chiing-Chang Chen*, “**Influence of the pH Value on the Compositions and Properties of Bismuth Oxyiodides Photocatalysts by**

- Hydrothermal Synthesis and Their Activity**”, *Catalysis Communications*, 2014, (submitted, SCI: 2.923, Ranking: 47/135: , Citations=).
13. **Chiing-Chang Chen**, Shou-Ching Liu, Meen Woon Hsiao, Ching-Ting Wang, and Wen-lian William Lee*, **“Competitive Adsorption and Photodegradation of Triphenylmethane Dyes on Nano-TiO₂ Suspensions”**, *Journal of the Taiwan Institute of Chemical Engineers*, **2013**, (Submitted, **SCI: IF = 2.110, Ranking: 33/133**, Citations=0)
14. Wenlian William Lee, Wun-Hong Lian, Wen-Hsin Chung, Wan-Yu Lin, **Chiing-Chang Chen***, A comparative study for different dyes removal over WO₃/TiO₂ photocatalysts under visible light irradiation,

(二) 已發表的論文(Published Paper)

1. **Chiing-Chang Chen***, Ai-Hsuan Lee, Yong-Ming Dai, Wen-Lian William Lee, Fu-Hsuan Chen, Preparation of perovskites-like PbBiO₂I/g-C₃N₄ exhibiting visible-light-driven activity, *Catalysis Today*, **2020**. (SCI: 4.888, Ranking: 8/71, CHEMISTRY, APPLIED, Citations =).
2. Yong-Ming Dai, Jia-Hao Lin, Shih-Tsuen Huang, Wen-Lian William Lee, Chen-Hsuan Hsieh, **Chiing-Chang Chen***, An economical solid-base catalyst for biodiesel production: Using natural soil and lithium carbonate, *Energy Reports*, **2020**. (SCI: 3.830, Ranking: 34/103, ENERGY & FUELS, Citations =).
3. Fu-Yu Liu, Yong-Ming Dai, Wen-Lian William Lee, Fu-Hsuan Chen, **Chiing-Chang Chen***, Lead Bismuth Oxybromide/Graphene Oxide: Synthesis, Characterization, and Photocatalytic Activity for Removal of Carbon Dioxide, Crystal Violet Dye, and 2-Hydroxybenzoic Acid, *Journal of Colloid and Interface Science*, **2020**, 562, 112-124. (SCI: IF = 6.361, Ranking: 29/148, CHEMISTRY, PHYSICAL, Citations = 0)
4. Yong-Ming Dai, Hsieh Cheng-Hsuan, Jia-Hao Lin, Fu-Hsuan Chen, **Chiing-Chang Chen***, Biodiesel production using bauxite as low-cost solid base catalyst precursors, *Catalysts*, **2019**, 9, 1064. (SCIE: IF= 3.444, Ranking: 57/148, CHEMISTRY, PHYSICAL, Citations = 0).
5. **Chiing-Chang Chen**, Huan-Jung Fan, Janah Shaya, Cheng-Hung Huang, Yi-Kuo Chang, Olivier Toulemondee, Chung-Shin Lu*, Accelerated ZnMoO₄ photocatalytic degradation of pirimicarb under UV light mediated by peroxymonosulfate, *Applied Organometallic Chemistry*, **2019**, e5113, 1-15. (SCI: 3.259 Ranking: 14/72, CHEMISTRY, APPLIED, Citation = 1).
6. Ciao-Wei Siao, Wenlian William Lee, Wen-Hsin Chung, Jiun-Ting Hung, Peng-Hao Huang, Wan-Yu Lin, **Chiing-Chang Chen***, BiO_xCl_y/BiO_mBr_n/BiO_pI_q/GO quaternary composites: Syntheses and application of visible-light-driven photocatalytic activities, *Journal of Colloid and Interface Science*, **2019**, 544, 25-36. (SCI: IF = 6.361, Ranking: 29/148, CHEMISTRY, PHYSICAL, Citations = 27)
7. Dan-Jae Lin*, Lih-Jyh Fuh, Cheng-Yu Chen, Wen-Cheng Chen, Jiin-Huey Chern Lin, **Chiing-Chang Cheng**, Rapid nano-scale surface modification on micro-arc oxidation coated titanium by microwave-assisted hydrothermal process, *Materials Science & Engineering C*, **2019**, 95, 236–247. (SCI: IF= 4.959, Ranking: 7/32, MATERIALS SCIENCE, BIOMATERIALS, Citations= 1)
8. Ai-Hsuan Lee, Yi-Chuen Wang, **Chiing-Chang Chen***, Composite photocatalyst, tetragonal lead bismuth oxyiodide/bismuth oxyiodide/graphitic carbon nitride: Synthesis, characterization, and photocatalytic activity, *Journal of Colloid and Interface Science*, **2019**, 533, 319-332. (SCI: IF = 6.361, Ranking: 29/148,

CHEMISTRY, PHYSICAL, Citations = 24)

9. 戴永銘, 林佳豪, 黃芃豪, 陳錦章*, 環境穩定型固態鹼觸媒於生質柴油的應用, 化工, **2019**, 66(1), 49-57.
10. Jia-Lin Chang, Jung-Hang Hsieh, Yun-Jhu Huang, **Chiing-Chang Chen**, Mu-Fong Chang, A theoretical study of the photoelectron spectra of dichloroketene with accurate computation of ionization energies via complete basis set limit extrapolation, *International Journal of Quantum Chemistry*, **2018**, 119, e25866. DOI: 10.1002/qua.25866 (SCI: IF= 2.263, Ranking: 85/148, CHEMISTRY, PHYSICAL, Citations = 1)
11. Yi-Chuen Wang, Ai-Hsuan Lee, **Chiing-Chang Chen***, Perovskite-like photocatalyst, $\text{PbBiO}_2\text{Br}/\text{PbO}/\text{g-C}_3\text{N}_4$: Synthesis, characterization, and visible-light-driven photocatalytic activity, *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 93, 315-328. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations= 5)
12. **Chiing-Chang Chen ***, Jing-Ya Fu, Jia-Lin Chang, Shiuh-Tsuen Huang, Tsung-Wen Yeh, Jiun-Ting Hung, Peng-Hao Huang, Fu-Yu Liu, Li-Wen Chen*, Bismuth oxyfluoride/bismuth oxyiodide nanocomposites enhance visible-light-driven photocatalytic activity, *Journal of Colloid and Interface Science*, **2018**, 532, 375-386. (SCI: IF = 6.361, Ranking: 29/148, CHEMISTRY, PHYSICAL, Citations = 17)
13. Yong-Ming Dai, Jia-Hao Lin, Hong-Quan Chen, **Chiing-Chang Chen***, Potential of using ceramics wastes as a solid catalyst for biodiesel production, *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 91, 427-433. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations= 3)
14. Jing-Ya Fu, Li-Wen Chen, Yong-Ming Dai, Fu-Yu Liu, Shiuh-Tsuen Huang, **Chiing-Chang Chen***, $\text{BiO}_m\text{F}_n/\text{BiO}_x\text{I}_y/\text{GO}$ nanocomposites: synthesis, characterization, and photocatalytic activity, *Molecular Catalysis*, **2018**, 455, 214-223. (SCI: IF= 2.938, Ranking: 67/148, CHEMISTRY, PHYSICAL, Citations = 5)
15. Fu-Yu Liu, Jia-Hao Lin, Yong-Ming Dai, Li-Wen Chen, Shiuh-Tsuen Huang, Tsung-Wen Yeh, Jia-Lin Chang, **Chiing-Chang Chen***, Preparation of Perovskites $\text{PbBiO}_2\text{I}/\text{PbO}$ Exhibiting Visible-Light Photocatalytic Activity, *Catalysis Today*, **2018**, 314, 28-41. (SCI: 4.888, Ranking: 8/71, CHEMISTRY, APPLIED, Citations = 13).
16. **Chiing-Chang Chen**, Janah Shaya, Huan-Jung Fan, Yi-Kuo Chang, Han-Ting Chi, Chung Shin Lu*, Silver vanadium oxide nanomaterials: controlled synthesis by hydrothermal method and efficient photocatalytic degradation of atrazine and CV dye, *Separation and Purification Technology*, **2018**, 206, 226-238. (SCI: IF= 5.107, Ranking: 14/138, ENGINEERING, CHEMICAL, Citations= 2).
17. Ciao-Wei Siao, Hung-Lin Chen, Li-Wen Chen, Jia-Lin Chang, Tsung-Wen Yeh, **Chiing-Chang Chen***, Controlled hydrothermal synthesis of bismuth oxychloride/bismuth oxybromide/bismuth oxyiodide composites exhibiting visible-light photocatalytic degradation of 2-hydroxybenzoic acid and crystal violet, *Journal of Colloid and Interface Science*, **2018**, 526, 322-336. (SCI: IF = 6.361, Ranking: 29/148, CHEMISTRY, PHYSICAL, Citations = 34)
18. Shiyun Huang, **Chiing-Chang Chen**, hweiyen tsai, Janah Shaya, Chung Shin Lu, Photocatalytic degradation of thiobencarb by a visible light-driven MoS_2 photocatalyst, *Separation and Purification Technology*, **2018**, 197, 147-155. (SCI: IF=5.107, Ranking: 14/138, ENGINEERING, CHEMICAL, Citations= 16).
19. Yong-Ming Dai, Ya-Fen Wang, **Chiing-Chang Chen***, Synthesis and characterization of magnetic $\text{LiFe}_5\text{O}_8\text{-LiFeO}_2$ as a solid basic catalyst for biodiesel production, *Catalysis Communications*, **2018**, 106, 20-24. (SCI: 3.674, Ranking: 54/148, CHEMISTRY, PHYSICAL, Citations= 12).

20. Fu-Yu Liu, Yu-Rou Jiang, **Chiing-Chang Chen***, Wenlian William Lee*, Novel synthesis of $\text{PbBiO}_2\text{Cl}/\text{BiOCl}$ nanocomposite with enhanced visible-light-driven photocatalytic activity, *Catalysis Today*, **2018**, 300, 112-123. (SCI: 4.888, Ranking: 8/71, CHEMISTRY, APPLIED, Citations=44).
21. Ji-Yuan Liang, Jeu-Ming. Yuanna, Zong-Jhe Hsie, Shih-Tsuen Huang*, **Chiing-Chang Chen***, Blue Light Induced Free Radicals from Riboflavin in Degradation of Crystal Violet by Microbial Viability Evaluation, *Journal of Photochemistry & Photobiology, B: Biology*, **2017**, 174, 355–363. (SCI: IF = 4.067, Ranking: 82/299, BIOCHEMISTRY & MOLECULAR BIOLOGY, Citations= 7)
22. **Chiing-Chang Chen***, Chin-Tsung Yang, Wen-Hsin Chung, Jia-Lin Chang, Wan-Yu Lin, Synthesis and characterization of $\text{Bi}_4\text{Si}_3\text{O}_{12}$, Bi_2SiO_5 , and $\text{Bi}_{12}\text{SiO}_{20}$ by controlled hydrothermal method and their photocatalytic activity, *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 78, 157-167. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations= 24)
23. Yu-Hsun Lee, Yong-Ming Dai, Jing-Ya Fu, **Chiing-Chang Chen***, A series of bismuth-oxychloride/bismuth-oxiodide/graphene-oxide nanocomposites: synthesis, characterization, and photocatalytic activity and mechanism, *Molecular Catalysis*, **2017**, 432, 196–209. (SCI: IF= 2.938, Ranking: 67/148, CHEMISTRY, PHYSICAL, Citations =41)
24. Yong-Ming Dai; I-Hsiang Kao; **Chiing-Chang Chen***, Evaluating the optimum operating parameters of biodiesel production process from soybean oil using the Li_2TiO_3 catalyst, *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 70, 260-266. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations= 24)
25. Yong-Ming Dai, Kung-Tung Chen, Po-Hsiang Wang, **Chiing-Chang Chen***, Solid-base catalysts for biodiesel production by using silica in agricultural wastes and lithium carbonate, *Advanced Powder Technology*, **2016**, 27, 2432-2438. (SCI: IF = 3.250, Ranking: 38/137, ENGINEERING, CHEMICAL, Citations= 33)
26. Cyong-Huei Huang, Shang-Yi Chou, Shiu-Bau Jang, Yu-Chieh Lin, Chien-En Li, **Chiing-Chang Chen**, Jia-Lin Chang, Insights into the Photoelectron Spectroscopy of Chlorofluoroethenes Studied by Density-Functional and Coupled-Cluster Theories, *Journal of Physical Chemistry A*, **2016**, 120, 1175–1183 (SCI: IF= 2.641, Ranking: 59/146, CHEMISTRY, PHYSICAL, Citations = 4)
27. Chung-Shin Lu*, Yu-Shen Wu, **Chiing-Chang Chen**, Yan-Chi Huang, Wei-Yu Lin, Yun-Ting Yen, Photodegradation of Pirimicarb Insecticide Using BiVO_4 Photocatalyst under Visible Light Irradiation, *Separation and Purification Technology*, **2016**, 2016, 51(13), 2284–2296. (SCI: IF=5.107, Ranking: 14/138, ENGINEERING, CHEMICAL, Citations= 8).
28. Tai-Wei Tzeng, Shan-Li Wang, **Chiing-Chang Chen**, Chen-Chung Tan, Yu-Ting Liu, Tsan-Yao Chen, Yu-Min Tzou,* C.C. Chen, J. T. Hung*, Photolysis and photocatalytic decomposition of sulfamethazine antibiotics in an aqueous solution with TiO_2 , *RSC Advances*, **2016**, 6, 69301–69310. (SCI: IF= 3.049, Ranking: 68/172, CHEMISTRY, MULTIDISCIPLINARY, Citations = 19)
29. Chin-Tsung Yang, Wenlian William Lee, Ho-Pan Lin, Yong-Ming Dai, Han-Ting Chi, **Chiing-Chang Chen***, A novel heterojunction photocatalyst, $\text{Bi}_2\text{SiO}_5/\text{g-C}_3\text{N}_4$: synthesis, characterization, photocatalytic activity, and mechanism, *RSC Advances*, **2016**, 6, 40664–40675. (SCI: IF=3.049, Ranking: 68/172, CHEMISTRY, MULTIDISCIPLINARY, Citations = 46)
30. Ho-Pan Lin, Wenlian William Lee, Shih-Tsuen Huang, Li-Wen Chen, Tsung-Wen Yeh, Jing-Ya

- Fu, **Chiing-Chang Chen***, Controlled hydrothermal synthesis of $\text{PbBiO}_2\text{Br}/\text{BiOBr}$ heterojunction with enhanced visible-light-driven photocatalytic activities, *Journal of Molecular Catalysis A: Chemical*, **2016**, 417, 168–183. (SCI: IF=5.008, Ranking: 36/148, CHEMISTRY, PHYSICAL, Citations = 64)
31. Shang-Yi Chou, Wen-Hsin Chung, Li-Wen Chen, Yong-Ming Dai, Wan-Yu Lin, Jia-Hao Lin, **Chiing-Chang Chen***, A series of $\text{BiO}_x\text{I}_y/\text{GO}$ photocatalysts: synthesis, characterization, activity, and mechanism, *RSC Advances*, **2016**, 6, 82743–82758. (SCI: IF=3.049 Ranking: 68/172, CHEMISTRY, MULTIDISCIPLINARY, Citations =61)
32. Shang-Yi Chou, **Chiing-Chang Chen***, Yong-Ming Dai, Jia-Hao Lin, Wenlian William Lee, Novel synthesis of bismuth oxyiodide/graphitic carbon nitride visible-light photocatalytic activity, *RSC Advances*, **2016**, 6, 33478–33491. (SCI: IF=3.049, Ranking: 68/172, CHEMISTRY, MULTIDISCIPLINARY, Citations = 71)
33. Ho-Pan Lin, **Chiing-Chang Chen***, Wenlian William Lee*, Ya-Yun Lai, Jau-Yuan Chen, Ya-Qian Chen and Jing-Ya Fu, Synthesis of $\text{SrFeO}_{3-x}/\text{g-C}_3\text{N}_4$ heterojunction with improved visible-light photocatalytic activities in chloramphenicol and crystal violet degradation, *RSC Advances*, **2016**, 6, 2323-2336. (SCI: IF=3.049, Ranking: 68/172, CHEMISTRY, MULTIDISCIPLINARY, Citations = 47)
34. Yong-Ming Dai, Jhong-Syuan Wu, **Chiing-Chang Chen***, Kung-Tung Chen*, **Evaluating the optimum operating parameters on transesterification reaction for biodiesel production over a LiAlO_2 catalyst**, *Chemical Engineering Journal*, **2015**, 280, 370-376. (SCI: IF = 8.355, Ranking: 6/138, ENGINEERING, CHEMICAL, Citations = 62)
35. Yu-Rou Jiang, Shang-Yi Chou, Jia-Lin Chang, Shih-Tsuen Huang, Ho-Pan Lin, **Chiing-Chang Chen***, **Hydrothermal Synthesis of Bismuth Oxybromide-Bismuth Oxyiodide Composites with highly visible light Photocatalytic performance for the degradation of CV and Phenol**, *RSC Advances*, **2015**, 5, 30851-30860. (SCI: IF=3.049, Ranking: 68/172, CHEMISTRY, MULTIDISCIPLINARY, Citations = 86)
36. Wenlian William Lee*, Chung-Shin Lu, Chung-Wei Chuang, Yen-Ju Chen, Jing-Ya Fu, Ciao-Wei Siao, **Chiing-Chang Chen***, **Synthesis of bismuth oxyiodides and their composites: characterization, photocatalytic activity, and degradation mechanisms**, *RSC Advances*, **2015**, 5, 23450–23463. (SCI: IF=3.049, Ranking: 68/172, CHEMISTRY, MULTIDISCIPLINARY, Citations = 115)
37. Yu-Rou Jiang, Ho-Pan Lin, Wen-Hsin Chung, Yong-Ming Dai, Wan-Yu Lin, **Chiing-Chang Chen***, **Controlled Hydrothermal Synthesis of $\text{BiO}_x\text{Cl}_y/\text{BiO}_m\text{I}_n$ Composites Exhibiting Visible-Light Photocatalytic Degradation of Crystal Violet**, *Journal of Hazardous Materials*, **2015**, 283, 787-805. (SCI: IF=7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations = 134)
38. Yong-Ming Dai, Kung-Tung Chen, **Chiing-Chang Chen***, **Study of the microwave lipid extraction from microalgae for biodiesel production**, *Chemical Engineering Journal*, **2014**, 250(2), 267-273. (SCI: IF = 8.355, Ranking: 6/138, ENGINEERING, CHEMICAL, Citations = 98)
39. Shih-Tsuen Huang, Yu-Rou Jiang, Shang-Yi Chou, Yong-Ming Dai, **Chiing-Chang Chen***, **Synthesis, Characterization, Photocatalytic Activity of Visible-Light-Responsive Photocatalysts $\text{BiO}_x\text{Cl}_y/\text{BiO}_m\text{Br}_n$ by Controlled Hydrothermal Method**, *Journal of Molecular Catalysis A: Chemical*, **2014**, 391(1), 105-120. (SCI: IF= 5.008, Ranking: 36/148, CHEMISTRY, PHYSICAL, Citations = 100)
40. Ho-Pan Lin, Jau-Yan Chen, Wen-Hung Lien, **Chiing-Chang Chen***, **Photocatalytic Reduction, Reforming, and Oxidation Using TiO_2 from Aqueous Solution of Ethyl Violet Dye under Anaerobic Condition**,

- Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45(5), 2469-2479. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations=17)
41. Kun-Lin Li, Wenlian William Lee, Chung-Shin Lu, Yong-Ming Dai, Shang-Yi Chou, Ming-Chien Wang, **Chiing-Chang Chen***, **Synthesis of BiOBr, Bi₃O₄Br, and Bi₁₂O₁₇Br₂ by Controlled Hydrothermal method and Their Photocatalytic Properties**, *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45(5), 2688-2697. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations = 60)
 42. Shih-Tsuen Huang, Chung-Shin Lu, Jia-Lin Chang, Wu-Sheng Huang, **Chiing-Chang Chen***, **Hydrothermal synthesis of SrTiO₃ nanocubes: Characterization, photocatalytic activities, and degradation pathway**, *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45(4), 1927-1936. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations = 66)
 43. Yong-Ming Dai, Jung-Hang Hsieh, **Chiing-Chang Chen***, **Transesterification of soybean oil to biodiesel catalyzed by waste silicone solid base catalyst**, *Journal of the Chinese Chemical Society*, **2014**, 61(7), 803-808 (SCI: IF= 1.188, Ranking: 128/172, CHEMISTRY, MULTIDISCIPLINARY, Citations=7)
 44. Cyong-Huei Huang, **Chiing-Chang Chen**, Yu-Kuei Chen, Shih-Chieh Tsai, Jia-Lin Chang*, **A theoretical study on the equilibrium structures, vibrational frequencies and photoelectron spectroscopy of thiocarbonyl fluoride by using density functional and coupled-cluster theories**, *Chemical Physics*, **2014**, 440, 99-105. (SCI: IF = 1.822, Ranking: 103/148, CHEMISTRY, PHYSICAL, Citations=3)
 45. Hong-Lin Chen, Wenlian William Lee, Wen-Hsin Chung, Yen-Ju Chen, Yu-Rou Jiang, Ho-Pan Lin, Wan-Yu Lin, **Chiing-Chang Chen***, **Controlled Hydrothermal Synthesis of Bismuth Oxybromides and Their Photocatalytic Properties**, *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45(4), 1892-1909. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations=40)
 46. Yong-Ming Dai, Kung-Tung Chen, Yu-Jie Wang, **Chiing-Chang Chen***, **“Application of Peanut Husk Ash as a Low-Cost Solid Catalyst for Biodiesel Production”**, *International Journal of Chemical Engineering and Application*, **2014**, 5(3), 276-280. (SCI: IF=0.765, Citations=12)
 47. Yi-Ching Lu, **Chiing-Chang Chen**, Chung-Shin Lu, **“Photocatalytic degradation of bis(2-chloroethoxy)methane by a visible light-driven BiVO₄ photocatalyst”**, *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45(3), 1015-1024. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations=17)
 48. Yu-Rou Jiang, Wenlian William Lee, Ken-Hao Chang, **Chiing-Chang Chen***, **Synthesis, photocatalytic activities of β-ZnMoO₄ and their degradation mechanism for Victoria Blue R dye**, *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45(1), 207-218. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations=44)
 49. Hsiao-Fang Lai, **Chiing-Chang Chen**, Yi-Kuo Chang, Chung-Shin Lu, Ren-Jang Wu, **“Efficient photocatalytic degradation of thiobencarb over BiVO₄ driven by visible light: Parameter and reaction pathway investigations”**, *Separation and Purification Technology*, **2014**, 122, 78-86. (SCI: IF= 5.107, Ranking: 14/138, ENGINEERING, CHEMICAL, Citations=35).
 50. Yong-Ming Dai, Wen-lian William Lee, Wei-Chieh Lin, **Chiing-Chang Chen***, **“Synthesis and Photocatalytic Properties of Nano-crystalline In₂O₃”**, *Journal of the Chinese Chemical Society*, **2013**, 60(12), 1415-1424. (SCI: IF= 1.188, Ranking: 128/172, CHEMISTRY, MULTIDISCIPLINARY, Citations=5)

51. Kung-Tung Chen, Jian-Xun Wang, Po-Hsiang Wang, Cyong-Ying Liou, Chia-Wei Nien, Jhong-Syuan Wu, **Chiing-Chang Chen***, “Rice husk ash as a catalyst precursor for biodiesel production”, *Journal of the Taiwan Institute of Chemical Engineers*, **2013**, 44(4), 622-629. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations = 67)
52. Wenlian William Lee, Wen-Hsin Chung, Wu-Sheng Huang, Wei-Chieh Lin, Wan-Yu Lin, Yu-Rou Jiang, **Chiing-Chang Chen***, “Photocatalytic Activities of Nano-cubic Barium Titanate by Hydrothermal Synthesis”, *Journal of the Taiwan Institute of Chemical Engineers*, **2013**, 44(4), 660-669. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations=82)
53. Chung-Shin Lu *, **Chiing-Chang Chen**, Ling-Kuen Huang, Peir-An Tsai, Hsiao-Fang Lai, “Photocatalytic degradation of acridine orange over NaBiO₃ driven by visible light irradiation”, *Catalysts*, **2013**, 3, 501-516. (SCIE: IF= 3.444, Ranking: 57/148, CHEMISTRY, PHYSICAL, Citations=16).
54. M.H.Chen, **C.C.Chen**, R.J.Wu, C.S.Lu*, “Heterogeneous photocatalytic degradation of disulfoton in aqueous TiO₂ suspensions: Parameter and reaction pathway investigations”, *Journal of the Chinese Chemical Society*, **2013**, 60(4), 380-390. (SCI: IF= 1.188, Ranking: 128/172, CHEMISTRY, MULTIDISCIPLINARY, Citations=4)
55. Wenlian-William Lee, Wen-Hsin Chung, Chung-Shin Lu, Wan-Yu Lin, **Chiing-Chang Chen***, “A study on the Degradation Efficiency and Mechanisms of Ethyl Violet by HPLC-PDA-ESI-MS and GC-MS Techniques”, *Separation and Purification Technology*, **2012**, 98, 488-496. (SCI: IF= 5.107, Ranking: 17/21/135, ENGINEERING, CHEMICAL, Citations=10).
56. Jian-Xun Wang; Kung-Tung Chen; Shiu-Tsuen Huang; Jhong-Syuan Wu; Po-Hsiang Wang; **Chiing-Chang Chen*** “Production of biodiesel through transesterification of soybean oil using lithium orthosilicate solid catalyst”, *Fuel Processing Technology*, **2012**, 104, 167-173. (SCI: IF= 4.507, Ranking: 8/72, CHEMISTRY, APPLIED, Citations = 71).
57. **Chiing-Chang Chen***, Yu-Rou Jiang, Ken-Hao Chang, “The Hydrothermal Synthesis of β -ZnMoO₄ for UV or Visible-Light-Responsive Photocatalytic Degradaion of Victoria Blue R”, *Advanced Materials Research*, **2012**, 761-766. (SCI: IF=0.39, Ranking:, Citations=5)
58. Wen-Hsin Chung, Chung-Shin Lu, Wan-Yu Lin, Jian-Xun Wang, Chia-Wei Wu, **Chiing-Chang Chen***, “Determining the Degradation Efficiency and Mechanisms of Ethyl Violet using HPLC-PDA-ESI-MS and GC-MS”, *Chemistry Central Journal*, **2012**, 6:63 (SCI: IF= 2.094, Ranking: 82/171, CHEMISTRY, MULTIDISCIPLINARY, Citations=10).
59. J. X. Wang, K. T. Chen, K. T. Chen, **C. C. Chen***, “Biodiesel production from soybean oil catalyzed by Li₂CO₃”, *Journal of the American Oil Chemists Society*, **2012**, 89(9), 1619-1625. (SCI: IF=1.720, Ranking: 34/71, CHEMISTRY, APPLIED, Citations=17)
60. Wenlian William Lee, Jiashi Lin, Jialin Chang, Jauyuan Chen, Meichun Cheng, **Chiingchang Chen***, “Photodegradation of CV over nanocrystalline bismuth tungstate prepared by hydrothermal synthesis”, *Journal of the Molecular Catalysis A: Chemical*, **2012**, 361-362, 80-90. (SCI: IF= 5.008, Ranking: 36/148, CHEMISTRY, PHYSICAL, Citations=63)
61. Jian-Xun Wang, Bi-Zhou Wen, Yi-Hsien Ben Liao, Kung-Tung Chen, Tsong-Huei Chang, **Chiing-Chang Chen***, “Transesterification of soybean oil to biodiesel using cement as a solid base catalyst”, *Journal of*

- the Taiwan Institute of Chemical Engineers*, **2012**, *43*, 215-219. (SCI: IF = 3.834, Ranking: 24/137, ENGINEERING, CHEMICAL, Citations = 29)
62. Hsiao-Fang Lai, **Chiing-Chang Chen**, Ren-Jang Wu and Chung-Shin Lu, “**Thiobencarb Degradation by TiO₂ Photocatalysis: Parameter and Reaction Pathway Investigations**”, *Journal of the Chinese Chemical Society*, **2012**, *59(1)*, 87-97 (SCI: IF= 1.188, Ranking: 124/163, CHEMISTRY, MULTIDISCIPLINARY, Citations=4)
63. Yi-Hsieng Liao, Jian Xun Wang, Jia-Shi Lin, Wen-Hsin Chung, Wan-Yu Lin, **Chiing-Chang Chen***, “**Synthesis photocatalytic activities and degradation mechanism of Bi₂WO₆ toward crystal violet dye**”, *Catalysis Today*, **2011**, *174(1)*, **148-159** (SCI: IF= 4.888, Ranking: 4/72, CHEMISTRY, APPLIED, Citations=71).
64. Huanjung Fan, Chungshin Lu, Jenglyan Jan, Meirung Chiou, **Chiingchang Chen***, “**Mechanistic pathways differences between P25-TiO₂ and Pt-TiO₂ mediated CV photodegradation**”, *Journal of Hazardous Materials*, **2011**, *185(1)*, 227-235. (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=83)
65. **Chiing-Chang Chen**, Wen-Ching Chen, Mei-Rung Chiou, Sheng-Wei Chen, Yao Yin Chen, Huan-Jung Fan*, “**Degradation of crystal violet by an FeGAC/H₂O₂ process**”, *Journal of Hazardous Materials*, **2011**, *196 (2)*, 420-425 (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=39)
66. **Chiing-Chang Chen**, Chih-Yu Chen, Chiu-Yu Cheng, Pei-Yi Teng, Ying-Chien Chung*, “**Decolorization characteristics and mechanism of Victoria Blue R removal by Acinetobacter calcoaceticus YC210**”, *Journal of Hazardous Materials*, **2011**, *196 (1)*, 166-172 (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=11)
67. Ming-Yi Chen, Jian-Xun Wang, Yi-Xian Liao, **Chiing-Chang Chen***, “**Transesterification of soybean oil catalyzed by calcium hydroxide which obtained from hydrolysis reaction of calcium carbide**”, *Journal of the Chinese Chemical Society* **2011**, *58(6)*, 1-6. (SCI: IF= 1.188, Ranking: 128/172, CHEMISTRY, MULTIDISCIPLINARY, Citations=6).
68. Jian Xun Wang, Kung Tung Chen, Shiuh Tsuena Huang, **Chiing Chang Chen***, “**Application of Li₂SiO₃ as a heterogeneous catalyst in the production of biodiesel from soybean oil**”, *Chinese Chemical Letters*, **2011**, *22(11)*, 1363-1366 (SCI: IF= 3.839, Ranking: 74/163, CHEMISTRY, MULTIDISCIPLINARY, Citations=23).
69. Jianxun Wang, Kungtung Chen, **Chiingchang Chen***, “**Biodiesel Production from Soybean Oil Catalyzed by K₂SiO₃/C Particles**”, *Chinese Journal of Catalysis*, **2011**, *32(10)*, 1592-1596. (SCI: 4.914, Ranking: 37/148, CHEMISTRY, PHYSICAL, Citations=25).
70. Fu-Der Mai, Wen-Lian William Lee, Jia-Lin Chang, Shou-Ching Liu, Chia-Wei Wu, **Chingchang Chen***, “**Fabrication of Porous TiO₂ Film on Ti Foil by Hydrothermal Process, and Its Photocatalytic Efficiency and Mechanisms with Ethyl Violet Dye**”, *Journal of Hazardous Materials* **2010**, *177(2)*, 864-875. (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=41).
71. Ren-Jang Wu, **Chiing-Chang Chen**, Chung-Shin Lu, Peng-Yueh Hsu, Ming-Hung Chen, “**Phorate degradation by TiO₂ photocatalysis: parameter and reaction pathway investigations**”, *Desalination*, **2010**, *250(3)*, 869-875. (SCI: IF= 6.035, Ranking: 2/91, WATER RESOURCES, Citations=53).
72. K.T. Chen, C.S. Lu, T.H. Chang, Y.Y. Lai, T.H. Chang, C.W. Wu, **C.C. Chen***, “**Comparison of**

- Photodegradative Efficiencies and Mechanisms of Basic Blue 11 Assisted by Nafion-Coated and Fluorinated TiO₂ Photocatalysts**” *Journal of Hazardous Materials*, **2010**, 174(1-3), 598-609. (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations= 31)
73. Jia-Lin Chang*, Shiuh-Tsuen Huang, **Chiing-Chang Chen**, Yuan Lu, Cheng-Luen Lee, **Theoretical calculations of C_{2v} excited states of SO₂⁺**, *Chemical Physics Letters*, **2010**, 486(1-3), 12-15. (SCI: IF= 1.901, Ranking: 98/148, CHEMISTRY, PHYSICAL, Citations=14).
74. **Chiing-Chang Chen**, Ren-Jang Wu, Yi-You Tzeng and Chung-Shin Lu*, **Chemical oxidative degradation of acridine orange dye in aqueous solution by Fenton’s reagent**, *Journal of the Chinese Chemical Society* **2009**, 56(6), 1147-1155 (SCI: IF= 1.188, Ranking: 128/172, CHEMISTRY, MULTIDISCIPLINARY, Citations=24)
75. **Chiing-Chang Chen**, Chung-Shin Lu*, **Bis(2-chloroethoxy)methane degradation by TiO₂ photocatalysis: parameter and reaction pathway investigations**, *Journal of Hazardous Materials* **2009**, 172(2-3), 1021-1032. (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=12).
76. Huan-Jung Fan, Shiuh-Tsuen Huang, Wen-Hsin Chung, Jeng-Lyan Jan, Wan-Yu Lin, **Chiing-Chang Chen***, **Degradation pathways of crystal violet by Fenton and Fenton-like systems: Condition optimization and intermediate separation and identification**, *Journal of Hazardous Materials* **2009**, 171(1-3), 1032-1044. (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=146).
77. Chungshin Lu, YingtienWu, Fuder Mai, Wenhsin Chung, ChiaweiWu, Wanyu Lin, **Chiingchang Chen***, **Degradation efficiencies and mechanisms of the ZnO-mediated photocatalytic degradation of Basic Blue 11 under visible light irradiation**, *Journal of Molecular Catalysis A: Chemical* **2009**, **310 (1-2) 159–165** (SCI: IF= 5.008, Ranking: 36/148, CHEMISTRY, PHYSICAL, Citations=64)
78. Chung-Shin Lu, Fu-Der Mai, Yi-Chin Wu, Tien-Yu Chiang, Peng-Yueh Hsu, I-Chun Yao, **Chiing-Chang Chen***, **Photocatalytic degradation of Michler's Ketone in water by UV light illumination using TiO₂ photocatalyst: Identification of intermediates and the reaction pathway**, *Journal of the Chinese Chemical Society* **2009**, 56(4) 729-740. (SCI: IF= 1.188, Ranking: 128/172, CHEMISTRY, MULTIDISCIPLINARY, Citations=5)
79. Chung-Shin Lu, **Chiing-Chang Chen**, Fu-Der Mai, Hua-Kuang Li, **Identification of the degradation pathways of alkanolamines with TiO₂ photocatalysis**, *Journal of Hazardous Materials* **2009**, 165(1-3), 306-316. (SCI: IF=7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=78).
80. Ren-Jang Wu, **Chiing-Chang Chen**, Ming-Hung Chen, Chung-Shin Lu*, **Titanium dioxide mediated heterogeneous photocatalytic degradation of terbufos: Parameter study and reaction pathways**”, *Journal of Hazardous Materials* **2009**, 162(2-3), 945-953. (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=77).
81. **Chiing-Chang Chen***, Huan-Jung Fan, Wen-Hsin Chung, **Jeng-Lyan Jan**, Wan-Yu Lin, **Degradation Pathways and Efficiencies of Acid blue 1 by Photocatalytic Reaction with ZnO Nanopowder**, *Journal of Physical Chemistry C*, **2008**, 112(31); 11962-11972. (SCI: IF= 4.309, Ranking: 38/147, CHEMISTRY, PHYSICAL, Citations= 89).
82. F. D. Mai, S. C. Liu, C. W. Wu, C. H. Huang, J. Y. Chen, **C.C. Chen***, **Mechanisms of photocatalytic degradation of Victoria Blue R using nano-TiO₂**, *Separation and Purification Technology* **2008**, 62(2), 423-436. (SCI: IF= 5.107, Ranking: 14/138, ENGINEERING, CHEMICAL, Citations=50)

83. F.D. Mai, C.S. Liu, J.L. Chen, **C.C. Chen***, **Photodegradation of methyl green using visible irradiation in ZnO suspensions. Determination of the reaction pathway and identification of intermediates by a high-performance liquid chromatography-photodiode array-electrospray ionization-mass spectrometry method**, *Journal of Chromatography A* **2008**, 1189(1-2), 355-365. (SCI: IF = 3.858, Ranking: 13/81, CHEMISTRY, ANALYTICAL, Citations=1)
84. **Chiing-Chang Chen***, Chung-Shin Lu, Huan-Jung Fan, Jeng-Lyan Jan, Hsiu-De Lin, **Photocatalyzed N-de-ethylation and degradation of Brilliant Green in TiO₂ dispersions**, *Desalination*, **2008**, 219(1-3), 89-100. (SCI: IF= 6.035, Ranking: 2/91, WATER RESOURCES, Citations=35).
85. Chung-Shin Lu, Fu-Der Mai, Chia Wei Wu, Ren-Jang Wu, **Chiing-Chang Chen***, **Titanium Dioxide-Mediated Photocatalytic Degradation of Acridine Orange in Aqueous Suspensions under UV Irradiation**, *Dyes and Pigments*, **2008**, 76(3), 706-713. (SCI: IF= 4.018, Ranking: 13/71, CHEMISTRY, APPLIED, Citations=42)
86. **Chiingchang, Chen***, Chungshin Lu, **Photocatalytic degradation of Basic Violet 4: degradation efficiency, product distribution, and mechanisms**, *J. Physical Chemistry C*, **2007**, 111(37), 13922-13932. (SCI: IF= 4.309, Ranking: 38/147, CHEMISTRY, PHYSICAL, Citations=48)
87. **CHIING-CHANG CHEN***, CHUNG-SHIN LU, **Mechanistic Studies of the Photocatalytic Degradation of Methyl Green: an Investigation of Products of the Decomposition Processes**, *Environmental Science & Technology*, **2007**, 41(12), 4389-4396. (SCI: IF= 7.149, Ranking: 14/251, ENVIRONMENTAL SCIENCES, Citations=68)
88. **Chiing Chang Chen**, Chiu Yu Cheng, Chia Yuen Yen, Ying Chien Chung*, **Biodegradation of crystal violet by Pseudomonas putida**, *Biotechnology Letters*, **2007**, 29(3), 391-396 (SCI: IF= 2.154, Ranking: 96/162, BIOTECHNOLOGY & APPLIED MICROBIOLOGY, Citations=94)
89. Chung-Shin Lu*, **Chiing-Chang Chen**, Fu-Der Mai, Yi-Chin Wu, **Photocatalytic degradation of Michler's Ethyl Ketone in titanium dioxide dispersions under UV irradiation**, *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 187(1), 167-176 (SCI: IF= 3.261, Ranking: 60/148, CHEMISTRY, PHYSICAL, Citations=13).
90. **Chiing-Chang Chen**, Fu-Der Mai, Kung-Tung Chen, Chung-Shin Lu*, **Photocatalyzed N-de-methylation and degradation of crystal violet in titania dispersions under UV irradiation**, *Dyes and Pigments* **2007**, 75(2), 434-442 (SCI: IF= 4.018, Ranking: 13/71, CHEMISTRY, APPLIED, Citations=44)
91. **Chiing-Chang Chen***, **"Degradation pathways of ethyl violet by photocatalytic reaction with ZnO dispersions"**, *Journal of Molecular Catalysis A: Chemical* **2007**, 264(1-2), 82-92. (SCI: IF= 5.008, Ranking: 36/148, CHEMISTRY, PHYSICAL, Citations= 139)
92. Chih-Yu Chen, **Chiing-Chang Chen**, Ying-Chien Chung **"Removal of phthalate esters by α -cyclodextrin-linked chitosan bead"**, *Bioresource technology*, **2007**, 98(13), 2578-2583. (SCI: IF= 6.669, Ranking: 13/161, BIOTECHNOLOGY & APPLIED MICROBIOLOGY, Citations= 131)
93. **Chiing-Chang Chen***, Chung-Shin Lu, Ying-Chien Chung, Jeng-Lyan Jan **"UV light induced photodegradation of Malachite Green on TiO₂ nanoparticles"**, *Journal of Hazardous Materials* **2007**, 141(3), 520-528 (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=253).
94. **Chiing-Chang Chen**, Chung-Shin Lu, Fu-Der Mai*, Chyan-Syang Weng, **"Photooxidative N-de-ethylation of**

- anionic triarylmethane dye (sulfan blue) in titanium dioxide dispersions under UV irradiation**”, *Journal of Hazardous Materials*, **2006**, 137(3), 1600-1607. (SCI: IF= 7.650, Ranking: 12/251, ENVIRONMENTAL SCIENCE, Citations=37).
95. **Chiing-Chang Chen**, Huan-Jung Fan, Chung-Shin Lu*, Chung-Yi Jang, Jeng-Lyan Jan, Hsiu-De Lin, ‘**Photooxidative N-de-methylation of crystal violet dye in aqueous nano-TiO₂ dispersions under visible light irradiation**’, *Journal of Photochemistry and Photobiology A: Chemistry*, **2006**, 184(1-2), 147-154 (SCI: IF= 3.261, Ranking: 60/148, CHEMISTRY, PHYSICAL, Citations=53).
96. **Chiing-Chang Chen***, Chung-Shin Lu, Ying-Chien Chung, ‘**Photocatalytic degradation of Ethyl Violet in aqueous solution mediated by TiO₂ suspensions**’, *Journal of Photochemistry and Photobiology A: Chemistry*, **2006**, 181(1), 120-125, (SCI: IF= 3.261, Ranking: 60/148, CHEMISTRY, PHYSICAL, Citations=52).
97. **Chiing-Chang Chen**, Chih-Yu Chen, Ying-Chien Chung, ” **Arsenic removal using a biopolymer chitosan sorbent** “ *Journal of Environmental Science and Health, A* , **2006**, 41 (4), 645-658, (SCI: IF= 1.536, Ranking: 178/251, ENVIRONMENTAL SCIENCES, Citations=83)
98. Ying-Chien Chung*, Yi-he Li, **Chiing-Chang Chen**, “**Pollutant removal from aquaculture wastewater using the biopolymer chitosan at different molecular weights**”, *Journal of Environmental Science and Health, A*, **2005**, 40(9), 1775-1790. (SCI: IF= 1.536, Ranking: 178/251, ENVIRONMENTAL SCIENCES, Citations=39)
99. Ying-Chien Chung*, Cheng-Lang Kuo, **Chiing-Chang Chen**, “**Preparation and important functional properties of water-soluble chitosan produced through Maillard reaction**”, *Bioresource Technology*, **2005**, 96(13), 1473-1482. (SCI: IF= 6.669, Ranking: 13/161, BIOTECHNOLOGY & APPLIED MICROBIOLOGY, Citations=131)
100. Chung-Shin Lu, **Chiing-Chang Chen***, ‘**Removal of Safranin from Aqueous Solution by Using Adsorptive Bubble Separation Techniques**’, *Chinese Chemical Letters*, **2005**, 16(5), 701-704. (SCI: IF= 3.839, Ranking: 53/172, CHEMISTRY, MULTIDISCIPLINARY, Citations= 2).
101. Ying-Chien Chung, Ya-Ping Su, **Chiing-Chang Chen**, Huey-Lan Wang, J. C. Gaston Wu, “**Relationship between Antibacterial Activity of Chitosan and Surface Characteristics of Cell Wall**”, *Acta Pharmacologica sinica*, **2004**, 25(7), 932-936. (SCI : IF= 4.010, Ranking: 49/172, CHEMISTRY, MULTIDISCIPLINARY, Citations = 539)
102. Chung-Shin Lu, **Chiing-Chang Chen***, ‘**Ion and adsorbing colloid flotation of auramine**’ *Journal of the Chinese Chemical Society*, **2003**, 50(5), 1009. (SCI: IF= 1.188, Ranking: 128/172, CHEMISTRY, MULTIDISCIPLINARY, Citations= 4)
103. Li-Hua Shin, Yu Chou, **Chiing-Chang Chen**, Chung-shin Lu, Jing-Shang Chang, “**Exercise effect for college staff’s blood metabolism**”, *Journal of Nanotechnology*, **2003**, 1, 45.
104. **Chiing-Chang Chen***, Chung-Shin Lu, Ya-Ping Su, Kung-Tung Chen, Yi-Chin Wang, Yuan-Tai Cheng, Chin-Hung Chen, Kan-Yuan Chiang “**Ion and adsorbing colloid flotation of arsenazo III**” *Journal of Taichung Nursing colloge*, **2003**, 2, 19.
105. **Chiing-Chang Chen**, J. L. Yu, C.Y. Lee, C.S. Liu and H.T. Chiu, “**Difluorosilylene as a Precursor for the chemical Vapor Deposition of Titanium Silicide**”, *Journal of Materials Chemistry*, **1992**, 2(9), 983.(SCI: IF= 10.733, Ranking: 16/144, CHEMISTRY, PHYSICAL, Citations=4)

106. 李文鴻、陳錦章，88年，高能隙半導體碳化矽在矽晶之薄膜成長，親民學報第三期，95頁。
107. 陳洸鱧、陳錦章，88年，生物科技改進計劃實施成效探討，親民學報第三期，185-192頁。
108. 陳洸鱧、陳瑞嘉、陳錦章、江界山、林忠信，87年，台灣區運運動會禁用藥品檢測回顧，親民學報第二期，283-288頁。
109. 陳洸鱧、陳瑞嘉、鄭仁華、王素君、陳錦章，87年，台灣地區區運選手血液生化值之研究，親民學報第二期，239-244頁。
110. 陳洸鱧、陳錦章、曹文仲，86年，大專學生健康管理與健康促進，親民學報第一期，49頁。

二、 研討會論文 (Conference paper)

(一)、國際研討會 (International conference paper)

1. Fu-Yu Liu, Yong-Ming Dai, Chiing-Chang Chen*, Synthesis of perovskites-like $\text{PbBiO}_2\text{Cl}/\text{GO}$ composites enhanced visible-light-driven photocatalytic activity, The 18th Asian Chemical Congress (18th ACC) and the 20th General Assembly of the Federation of Asian Chemical Societies (FACS), Abstract Reference: P05-006, 8-12 December, 2019, Taipei International Convention Center, Taiwan.
2. Chiing-Chang Chen*, Yi-Chuen Wang, Fu-Yu Liu, Preparation of perovskites-like $\text{PbBiO}_2\text{Br}/\text{g-C}_3\text{N}_4$ composites exhibiting photocatalytic activity under visible light irradiation, The 18th Asian Chemical Congress (18th ACC) and the 20th General Assembly of the Federation of Asian Chemical Societies (FACS), Abstract Reference: P01-002, 8-12 December, 2019, Taipei International Convention Center, Taiwan.
3. Kuo-Yu Hung, Fu-Yu Liu, Yong-Ming Dai, Chiing-Chang Chen*, New Type Photocatalyst Bismuth Oxyfluoride/Bismuth Oxyiodide/Graphitic Carbon Nitride: Synthesis, Characterization, Activity, The 18th Asian Chemical Congress (18th ACC) and the 20th General Assembly of the Federation of Asian Chemical Societies (FACS), Abstract Reference: P04-002, 8-12 December, 2019, Taipei International Convention Center, Taiwan.
4. Hsiao-Li Wu, Yu-Chen Zhou, Fu-Yu Liu, Chiing-Chang Chen*, Novel synthesis of bismuth oxychloride/bismuth oxyiodide/graphitic carbon nitride ($\text{BiO}_m\text{Cl}_n/\text{BiO}_p\text{I}_q/\text{g-C}_3\text{N}_4$) nanocomposite with enhanced visible-light photocatalytic activity, The 18th Asian Chemical Congress (18th ACC) and the 20th General Assembly of the Federation of Asian Chemical Societies (FACS), Abstract Reference: P06-001, 8-12 December, 2019, Taipei International Convention Center, Taiwan.
5. Shu-Hsiang Chang, Fu-Yu Liu, Chiing-Chang Chen*, Controllable Hydrothermal Synthesis of $\text{BiO}_m\text{Br}_n/\text{BiO}_p\text{I}_q/\text{GO}$ Ternary Composites Exhibiting Visible-Light Photocatalytic Activity, The 18th Asian Chemical Congress (18th ACC) and the 20th General Assembly of the Federation of Asian Chemical Societies (FACS), Abstract Reference: P05-006, 8-12 December, 2019, Taipei International Convention Center, Taiwan.
6. Yu-Ju Lai, Fu-Yu Liu, Chiing-Chang Chen*, A series of bismuth-oxybromide/bismuth-oxyiodide/graphitic-carbon nitride nanocomposites: synthesis, characterization, and photocatalytic activity, The 18th Asian Chemical Congress (18th ACC) and the 20th General Assembly of the Federation of Asian Chemical Societies (FACS), Abstract Reference: P04-003, 8-12 December, 2019, Taipei International Convention Center, Taiwan.
7. Yan-Yun Li, Ya-Fen Wang, Yong-Ming Dai, Ya-Fen Wang, Chiing-Chang Chen*, A simply synthesis method for property control of Li/Nb, Li/W oxide and its effect on catalysis for biodiesel production, The 4th

- International Conference on Alternative Fuels, Energy and Environment (ICAFEE 2019), Abstract Reference: 216, 18- 21 October, **2019**, Feng Chia University (FCU), Taichung, Taiwan.
8. Yong-Ming Dai, Yan-Yun Li, I-Hsiang Kao, Chang-Yan Liu, **Chiing-Chang Chen***, Applications of M_2ZrO_3 ($M=Li, Na, K$) composite as catalyst for biodiesel production, The 4th International Conference on Alternative Fuels, Energy and Environment (ICAFEE 2019), Abstract Reference: 215, 18- 21 October, **2019**, Feng Chia University (FCU), Taichung, Taiwan.
 9. Peng-Hao Huang, Yong-Ming Dai, Ya-Fen Wang, Jia-Xun Qiu, **Chiing-Chang Chen***, Optimization of biodiesel production using the transition metal (Fe, Co, Ni)-modified Li_2CO_3 as a solid base catalysis, The 4th International Conference on Alternative Fuels, Energy and Environment (ICAFEE 2019), Abstract Reference: 226, 18- 21 October, **2019**, Feng Chia University (FCU), Taichung, Taiwan.
 10. Fu-Yu Liu, Yong-Ming Dai, **Chiing-Chang Chen***, Synthesis of perovskites-like $PbBiO_2I/GO$ composites enhanced visible-light-driven photocatalytic activity, 14th European Congress on Catalysis (EuropaCat-2019), Abstract ID: 2007, August 18-23, **2019**, Aachen, Germany.
 11. **Chiing-Chang Chen***, Ai-Hsuan Lee, Yong-Ming Dai, Wen-Lian William Lee, Fu-Hsuan Chen, Preparation of perovskites-like $PbBiO_2I/g-C_3N_4$ exhibiting visible-light-driven activity, The 8th Asia Pacific Congress on Catalysis (APCAT-8), Abstract Reference: P-EC-002, p.479, August 4-7, 2019, Bangkok, Thailand.
 12. Fu-Yu Liu, Yong-Ming Dai, **Chiing-Chang Chen***, Lead bismuth Oxybromide/Graphene oxide: Synthesis, characterization, and photocatalytic activity, The 8th Asia Pacific Congress on Catalysis, Abstract Reference: P-EC-001, p. 478, August 4-7, **2019**, Bangkok, Thailand.
 13. Yong-Ming Dai, Jia-Hao-Lin, **Chiing-Chang Chen***, Application of soil as a low-cost solid catalyst for biodiesel production, International Conference on Applied Catalysis & Chemical Engineering (ACC-2019), Abstract Reference: ACC-P006, April 8-10, 2019, Dubai, UAE.
 14. A.H. Lee, Y.C. Wang, and **C.C. Chen***, Synthesis of Perovskites-Like $PbBiO_2X/g-C_3N_4$ ($X = Cl, Br, I$) Composites Exhibiting Photocatalytic Activity Under Visible Light Irradiation, 5th International Conference on Materials Science & Smart Materials (MSSM-2018), August 7-10, **2018**, Abstract Reference: MSSM10278, University of the West of Scotland Institute of Engineering & Energy Technologies, Scotland.
 15. Yi-Chuen Wang, Fu-Yu Liu, Jia-Hao-Lin, Yong-Ming Dai, **Chiing-Chang Chen***, Controlled Hydrothermal Synthesis of $PbBiO_2Br/PbO/g-C_3N_4$ Composites Exhibiting Visible-Light Photocatalytic Activity, IUPAC-FAPS 2017 Polymer Congress (IUPAC-FAPS 2017), 11-13 October **2017**, Abstract Reference: POS3_81, Jeju island, South Korea.
 16. Fu-Yu Liu, Yong-Ming Dai, and **Chiing-Chang Chen***, Synthesis of Perovskites $PbBiO_2I/PbO/Bi_6O_6(OH)_3(NO_3)_3 \cdot 1.5H_2O$ Exhibiting Visible-Light Photocatalytic Activity, The 15th International Conference on Advanced Materials, Abstract Reference: A9-P28-032, p.100, August 27- September 1, **2017**, Yoshida Campus, Kyoto University, Kyoto, Japan.
 17. Tsai-Ting Chen, Jing-Ya Fu, Yong-Ming Dai, **Chiing-Chang Chen***, $Bi_{12}SiO_{20}/g-C_3N_4$ Composites: Synthesis, Characterization, Photocatalytic Activity, and Mechanism, The 15th International Conference on Advanced Materials, Abstract Reference: A2-P31-022, p.44, August 27- September 1, **2017**, Yoshida Campus, Kyoto University, Kyoto, Japan.
 18. Fu-Yu Liu, Yong-Ming Dai, **Chiing-Chang Chen***, Preparation of Perovskites $PbBiO_2I/PbO$ Exhibiting

- Visible-Light Photocatalytic Activity, The 17th Congress, Asian Pacific Confederation of Chemical Engineering, Abstract Reference: Cat-EE-P32, p.174, 23-27 August 2017, Hong Kong Convention and Exhibition Center, China.
19. Jing-Ya Fu, Yong-Ming Dai, Li-Wen Chen, **Chiing-Chang Chen***, BiO_mF_n/BiO_xI_y/GO nanocomposites: synthesis, characterization, and photocatalytic activity, 21st International Conference on Composite Materials (ICCM21), Abstract Reference: P1102-35, p.120, August 20th - 25th, 2017, Xi'an, China
 20. Ciao-Wei Siao, **Chiing-Chang Chen***, Controlled Hydrothermal Synthesis of BiO_xCl_y/BiO_mBr_n/BiO_pI_q/GO Composites Exhibiting Visible-Light Photocatalytic Degradation of Salicylic Acid, 8th International Conference on Green and Sustainable Chemistry, Theme: Green Catalysts, Abstract Reference No: 035, July 23 - 26, 2017, Melbourne Convention Centre, Australia
 21. Han-Ting Chi, **Chiing-Chang Chen***, A series of bismuth vanadate: synthesis, characterization, photocatalytic activity, and mechanism, International Symposium on Catalysis and Fine Chemicals 2016, Abstract Reference No: P-69, p.61, November 10-14, 2016, Taipei, Taiwan
 22. Yu-Hsun Lee, Yong-Ming Dai, **Chiing-Chang Chen***, BiO_pCl_q/BiO_xI_y/GO composites: preparation, characterization, and photocatalytic activity, 17th International Conference on the Science and Application of nanotubes and Low-dimensional Materials, Abstract Reference No: I-13, p.191, August 7-13, 2016, Vienna, Austria.
 23. Wenlian William Lee, Shang-Yi Chou, Hung-Lin Chen, **Chiing-Chang Chen***, Controlled hydrothermal synthesis of BiO_xI_y/GO composites: characterization, photocatalytic, and degraded mechanism, The 11th Cross-Strait Catalysis Symposium (CSCS-11), Abstract Reference No: KL7, p.15, 10-12 July, 2016, Wuhan, China.
 24. **Chiing-Chang Chen***, Chin-Tsung Yang, Yong-Ming Dai, Jia-Lin Chang, Jing-Ya Fu, Wenlian William Lee, Synthesis of bismuth silicates by controlled and template-free hydrothermal method and their photocatalytic properties, The 11th Cross-Strait Catalysis Symposium (CSCS-11), Abstract Reference No: KL9, p.18, 10-12 July, 2016, Wuhan, China.
 25. Wenlian William Lee, Chin-Tsung Yang, Yong-Ming Dai, **Chiing-Chang Chen***, New Type Photocatalyst Bi₂SiO₅/g-C₃N₄: Synthesis, Characterization, Activity, 16th International Congress on Catalysis, Abstract Reference No: PD127, p.119, 3-8 July, 2016, Beijing, China.
 26. Hung-Lin Chen, Jing-Ya Fu, **Chiing-Chang Chen***, Bismuth Oxyfluoride/Bismuth Oxyiodide: Synthesis, Characterization, Photocatalytic Activity, 16th International Congress on Catalysis, Abstract Reference No: PB447, p.072, 3-8 July, 2016, Beijing, China.
 27. Ya-Fen Wang, Yong-Ming Dai, **Chiing-Chang Chen***, Evaluating the optimum operating parameters of magnetic solid base catalysts and its application in biodiesel transesterification, PB-005, The International Symposium on Catalytic Conversions of Biomass (ISCCB-2016), Abstract Reference No: PB-04, p.47, June 27-30, 2016, Taipei, Taiwan
 28. Jia-Hao-Lin, Hsin-Pei Huang, Hung-Hsiang Chen, Yong-Ming Dai, Shih-Tsuen Huang, **Chiing-Chang Chen***, Soil and its products as a catalyst precursor for biodiesel production, The International Symposium on Catalytic Conversions of Biomass (ISCCB-2016), Abstract Reference No: PA-02, p.46, June 27-30, 2016, Taipei, Taiwan
 29. Yong-Ming Dai, Cheng-Hsuan Hsieh, **Chiing-Chang Chen***, Study of novel Li/Bauxite nanocomposite as a

- heterogeneous catalyst for biodiesel production, The International Symposium on Catalytic Conversions of Biomass (ISCCB-2016), Abstract Reference No: OP-21, p.42, June 27-30, **2016**, Taipei, Taiwan
30. Jen-Yu Mo, Yong-Ming Dai, **Chiing-Chang Chen***, Wenlian William Lee*, Waste steel-making slag as a solid base catalyst for effective synthesis of biodiesel via transesterification, The International Symposium on Catalytic Conversions of Biomass (ISCCB-2016), Abstract Reference No: OP-08, p.39, June 27-30, **2016**, Taipei, Taiwan
31. Zheng-Yi Li, Yong-Ming Dai, **Chiing-Chang Chen***, Transesterification of waste oil to biodiesel using agricultural wastes and Li_2CO_3 as a solid base catalyst, Abstract Reference No: P1-056, p.673, Taiwan/Korea/Japan Joint Meeting on Chemical Engineering, 5-7 November, **2015**, Kaohsiung, Taiwan
32. Jia-Hao-Lin, Jing-Ya Fu, **Chiing-Chang Chen***, Synthesis, characterization, photocatalytic properties of a series $\text{Bi}_x\text{W}_y\text{O}_z$ by a controlled hydrothermal method, Abstract Reference No: P1-047, p.667, Taiwan/Korea/Japan Joint Meeting on Chemical Engineering, 5-7 November, **2015**, Kaohsiung, Taiwan
33. **Chiing-Chang Chen***, Fu-Yu Liu, Ho-Pan Lin, Wenlian William Lee*, Controlled Hydrothermal Synthesis of $\text{BiOCl/PbBiO}_2\text{Cl}$, $\text{BiOCl/PbBiO}_2\text{Cl/PbO}$, and $\text{PbBiO}_2\text{Cl/PbO}$ Composites Exhibiting Visible-Light Photocatalytic Activity, The 11th Australasian Conference on Vibrational Spectroscopy and the 5th Asian Spectroscopy Conference, 29 September-2 October, **2015**, Sydney, Australia.
34. Ciao-Wei Siao, Yu-Rou Jiang, **Chiing-Chang Chen***, Synthesis of $\text{BiO}_x\text{Cl}_y/\text{BiO}_m\text{Br}_n/\text{BiO}_p\text{I}_q$ heterojunctions: characterization, photocatalytic activity, and degradation mechanisms, Abstract Reference No: CATL193, The 250th ACS National Meeting, 16 - 20 August **2015**, Boston, USA.
35. Ho-Pan Lin, **Chiing-Chang Chen***, Controlled Hydrothermal Synthesis of $\text{BiOBr/PbBiO}_2\text{Br}$ Composites Exhibiting Visible-Light Photocatalytic Activity, 15th ROC-Japan Joint Symposium on Catalysis, 19-21 April, **2015**, Kaohsiung International Convention Center, Taiwan
36. Shang-Yi Chou, Yong-Ming Dai, **Chiing-Chang Chen***, “ $\text{BiO}_x\text{I}_y/\text{g-C}_3\text{N}_4$ nanocomposites: synthesis, characterization, photocatalytic activity and mechanism”, Abstract Reference No: P49, p.49, Challenges in Nanoscience (ISACS15), 17 - 20 August **2014**, San Diego, USA.
37. Ho-Pan Lin, Yong-Ming Dai, **Chiing-Chang Chen***, “Photocatalytic degradation of Chloramphenicol by $\text{SrFeO}_{3-x}/\text{g-C}_3\text{N}_4$ heterojunction”, Abstract Reference No: 685, The 248th ACS National Meeting & 5th IUPAC Conference on Green Chemistry, 10 - 14 August **2014**, San Francisco, USA.
38. Shang-Yi Chou, Yong-Ming Dai, **Chiing-Chang Chen***, $\text{BiO}_x\text{I}_y/\text{graphene-oxide}$ composites: Preparation, Characterization, and photocatalytic activity, The 6th international conference on recent progress in graphene research (RPGR-2014), 21-25 September, **2014**, Taipei, Taiwan. Paper ID: PA-02.
39. Yong-Ming Dai, Kung-Tung Chen, Yu-Jie Wang, Chiing-Chang Chen*, “Application of peanut husk ash as a low-cost solid catalyst for biodiesel production”, Abstract Reference No: G004, 2014 International Conference on Chemical and Bioprocess Engineering (ICBE 2014), January 24-25, 2014. Macau.
40. Ho-Pan Lin, Wenlian William Lee, Ming-Chien Wang, Yong-Ming Dai, **Chiing-Chang Chen***, “ $\text{SrFeO}_{3-x}/\text{g-C}_3\text{N}_4$ heterojunctions: synthesis, enhanced activity and photocatalytic mechanism”, Abstract Reference No: 34, p.101, The 4th Asia-Oceania Conference on Green and Sustainable Chemistry (AOC-4 GSC), November 3-6, 2013, New Taipei City, Taiwan.
41. Jung-Hang Hsieh, Yong-Ming Dai, Jhong-Syuan Wu, **Chiing-Chang Chen***, “Transesterification of soybean

- oil to biodiesel catalyzed by waste silicone solid base catalyst”, Abstract Reference No: 61, p.128, The 4th Asia-Oceania Conference on Green and Sustainable Chemistry (AOC-4 GSC), November 3-6, 2013, New Taipei City, Taiwan.
42. Yu-Rou Jiang, **Chiing-Chang Chen***, “A New Series of Bismuth Oxybromochloroiodide Photocatalysts: Synthesis, Characterization, and Photocatalytic Activity”, Abstract Reference No: Wed-p2-222, The 6th Asia-Pacific Congress on Catalysis (APCAT-6), 10-17 October, 2013, Taipei, Taiwan.
43. Wun-Hong Lian, Chien-Hong Chen, Ming-Chien Wang, **Chiing-Chang Chen***, “WO₃ modified TiO₂ Nano-Composite: Preparation, Characterization and Photocatalytic Activity”, Abstract Reference No: Wed-p2-212, The 6th Asia-Pacific Congress on Catalysis (APCAT-6), 10-17 October, 2013, Taipei, Taiwan.
44. Yu-Rou Jiang, Ming-Chien Wang, Yong-Ming Dai, **Chiing-Chang Chen***, “Novel Heterojunction BiO_mBr_n/BiO_xI_y Photocatalysts: Synthesis, Characterization, and Photocatalytic Activity”, Abstract Reference No: Mon-p1-083, The 6th Asia-Pacific Congress on Catalysis (APCAT-6), 10-17 October, 2013, Taipei, Taiwan.
45. Yong-Ming Dai, Kung-Tung Chen, Kun-Lin Li, **Chiing-Chang Chen***, “Biodiesel Production from microalgae oil Catalyzed by Solid Catalysts”, Abstract Reference No: Wed-p2-091, The 6th Asia-Pacific Congress on Catalysis (APCAT-6), 10-17 October, 2013, Taipei, Taiwan.
46. Yu-Rou Jiang, Ming-Chien Wang, Yong-Ming Dai, **Chiing-Chang Chen***, “Synthesis, Characterization, Photocatalytic Activity of Visible-Light-Responsive Photocatalysts BiO_xCl_y/BiO_mI_n by Controlled Hydrothermal Method”, Abstract Reference No: Mon-p1-230, The 6th Asia-Pacific Congress on Catalysis (APCAT-6), 10-17 October, 2013, Taipei, Taiwan.
47. Jhong-Syuan Wu, Yong-Ming Dai, Shih-Tsuen Huang, **Chiing-Chang Chen***, “Study on preparation of Li₄SiO₄ catalyst using waste-blastsand with lithium carbonate as source and the application in biodiesel transesterification”, Abstract Reference No: Wed-p2-080, The 6th Asia-Pacific Congress on Catalysis (APCAT-6), 10-17 October, 2013, Taipei, Taiwan.
48. Ya-Qian Chen, Chien-Hong Chen, **Chiing-Chang Chen***, “**Degradation efficiency and mechanism of Chloramphenicol by Fenton process**”, Abstract Reference No: Mon-p1-263, The 6th Asia-Pacific Congress on Catalysis (APCAT-6), 10-17 October, 2013, Taipei, Taiwan.
49. Yu-Rou Jiang, **Chiing-Chang Chen***, “**Synthesis, Characterization, Photocatalytic Activity of Visible-Light-Responsive Photocatalysts BiO_xBr_y/BiO_mI_n by Controlled Hydrothermal Method**”, Abstract Reference No: 0492, Micro and Nano Science and Technology/MNST-P-01, IUPAC World Chemistry Congress 2013, 11-16 August, 2013, Istanbul, Turkey.
50. Jau-Yuan Chen, Shih-Tsuen Huang, Yong-Ming Dai, **Chiing-Chang Chen***, Photocatalytic degradation and Products of Chloramphenicol by ZnO₂/ZnO nanocomposite, The 9th World Congress of Chemical Engineering (WCCE9) & The 15th Asian Pacific Confederation of Chemical Engineering Congress (APCCHE2013), August 18 to 23, 2013, Seoul, Korea.
51. **Chiing-Chang Chen***, Po-Hsiang Wang, Yong-Ming Dai, Jhong-Syuan Wu, “**Preparation of Li₄SiO₄ Using Rice Hush Ash with Li₂CO₃ and Production of Biodiesel as Catalyst**”, Abstract Reference No: 0461, Clean Energy Through Chemistry/CETC-P-01, IUPAC World Chemistry Congress 2013, 11-16 August, 2013, Istanbul, Turkey.
52. **Wen-lian William Lee, Young-Chien Ling, Shou-Ching Liu, Jau-Yan Chen, Ho-Pan Lin, Ming-Chien**

- Wang, Chiing-Chang Chen, “Photocatalytic Degradation of Ethyl Violet Dye Mediated by TiO₂ under an Anaerobic Condition”, The 26th International Conference on Photochemistry (ICP 2013), July 21-26, 2013, Leuven, Belgium.
53. Dan-Jae Lin*, Lih-Jyh Fuh, Chiing-Chang Chen, “Cell attachment and viability on micro-arc-oxidation (MAO) microwave/hydrothermal treated titanium surface”, The 35th Annual International IEEE EMBS Conference of the IEEE Engineering in Medicine and Biology Society, July 3-7, 2013, Osaka, Japan.
54. Yu-Rou Jiang, Hong-Lin Chen, Yen-Ju Chen, Chiing-Chang Chen*, “Controlled Hydrothermal Synthesis of Bismuth Oxybromides and Their Visible-Light-Responsive Photocatalytic Properties”, The 4th international conference for young chemists, Jan 30 - Feb 1, 2013, Penang, Malaysia.
55. C. S. Lu*, R. J. Wu, C. C. Chen, H. F. Lai, “Efficient photocatalytic degradation of thiobencarb over BiVO₄ driven by visible light: Parameter and reaction pathway investigations”, 2012 1st International Conference on Emerging Advanced Nanomaterials, Oct 22-25, 2012, Brisbane, Australia.
56. Chiing-Chang Chen, Yu-Rou Jiang, Ken-Hao Chang, Hydrothermal Synthesis of β-ZnMoO₄ for UV or Visible-Light-Responsive Photocatalytic Degradation of Victoria Blue R, 2012 International Conference on Chemical Engineering and Advanced Materials, July 13-15, 2012, Guangzhou, China.
57. Ya-Qian Chen, Chien-Hong Chen, Wen-lian William Lee, Jau-Yan Chen, Chiing-Chang Chen*, Degradation of crystal violet by Fe²⁺/ S₂O₈²⁻: Identification of degradation pathway by Liquid chromatography–electrospray mass spectrometry, The 4th World Chinese Mass Spectrometry Conference, Paper ID: 138, June 28-July 1, 2012, Tainan, Taiwan.
58. Cheng-Yu Chen, Lih-Jyh Fuh, Heng-Li Huang, Jui-Ting Hsu, Chiing-Chang Chen, Dan-Jae Lin, “Nano-sized calcium phosphates (CaPs) coatings on the anodic oxidized titania porous surface via a microwave irradiation process”, the 9th World Biomaterials Congress (9th WBC), Jun 1-5, 2012, Chengdu, China.
59. Chiing-Chang Chen, Shou-Ching Liu, Meen Woon Hsiao, Ching-Ting Wang, and Wen-lian William Lee, Competitive Adsorption and Photodegradation of Triphenylmethane Dyes on Nano-TiO₂ Suspensions, Paper ID: PE077, The 6th Pacific Basin Conference on Adsorption Science and Technology, May 20-23, 2012, Taipei, Taiwan.
60. Jian Xun Wang, Po-Hsiang Wang, Wen-Lian William Lee, Chiing-Chang Chen*, Application of waste rice husks as a low-cost catalyst for biodiesel production, Paper ID: PA100, The 6th Pacific Basin Conference on Adsorption Science and Technology, May 20-23, 2012, Taipei, Taiwan.
61. Chiing-Chang Chen, Jian-Xun Wang, Su-Cheng Ku, Kuoti Chen, Kung-Tung Chen, Production of biodiesel from soybean oil using Li₄SiO₄ as a heterogeneous catalyst, IEEE, 2012 International Conference and Civil Engineering, P. 3354-3356, Paper ID: W86294, May 18-20, 2012, Three Gorges, Hubei, China.
62. Mei-Chun Cheng, Jau-Yuan Chen, Shih-Tsuen Huang, Chiing-Chang Chen*, Photocatalytic Degradation of Crystal Violet over Bi₂WO₆ Prepared Using Different Hydrothermal Methods: A Comparative Study, 14th Asia Pacific Confederation of Chemical Engineering (APCChE 2012) Feb. 21-24, 2012, Singapore.
63. Wu-Sheng Huang, Tsung-Wen Yeh, Li-Wen Chen, Chiing-Chang Chen*, A Comparison Study on the Photo-catalytic Degradation Efficiencies and Mechanisms of Crystal Violet by MTiO₃ (M=Ba, Sr), 14th Asia Pacific Confederation of Chemical Engineering (APCChE 2012) Feb. 21-24, 2012, Singapore.
64. YEN-JU CHEN, JIA-LIN CHANG, HSIU-YUAN LU, CHIING-CHANG CHEN*, Degradation Pathways and

- Efficiencies of Crystal Violet with Bi₅O₇I photocatalyst under Visible/UV irradiation, XXV International Conference on Photochemistry (ICP2011), Paper ID: August 7-12, 2011, Beijing, China
65. WEI-CHIEH LIN, SHIUH-TSUEN HUANG, YI-HSIEN LIAO, **CHIING-CHANG CHEN**^{*}, Photocatalytic Degradation Pathways and Efficiencies of Sulfan Blue with In(OH)₃, Hexagonal- and Cubic-In₂O₃, XXV International Conference on Photochemistry (ICP2011), Paper ID: , August 7-12, 2011, Beijing, China,
66. YU-ROU JIANG, JAU-YUAN CHEN, MEI-CHUN CHENG, **CHIING-CHANG CHEN**^{*}, Synthesis, photocatalytic activities of WO₃/ZnWO₄/ZnO system and their degradation mechanism for Victoria Blue R dye, XXV International Conference on Photochemistry (ICP2011), Paper ID: , August 7-12, 2011, Beijing, China
67. Tai-Wei Tzeng, **Chiing-Chang Chen**, Shan-Li Wang, Photocatalytic activity of sulfonamide antibiotic in aqueous suspension of TiO₂-P25, 2011 International Conference on Environment Science and Engineering - ICESE 2011, April 1-3, 2011, Bali Island, Indonesia, Paper ID :S20024,P. 270-272.
68. Ming-Yi Chen, Jian Xun Wang, Yi-Hsien Ben Liao, Wei-Chieh Lin, **Chiing-Chang Chen**^{*}, Transesterification of soybean oil catalyzed by calcium hydroxide which obtained from hydrolysis reaction of calcium carbide, 13th Asia Pacific Confederation of Chemical Engineering (APCCHE 2010) October 5-8, 2010, Taipei, Taiwan. °
69. Jia-Shi Lin, **Chiing-Chang Chen**^{*}, Synthesis of Bi₂WO₆ photocatalyst and the photocatalytic degradation efficiencies and mechanisms of crystal violet , 13th Asia Pacific Confederation of Chemical Engineering (APCCHE 2010) October 5-8, 2010, Taipei, Taiwan.
70. I-Hsien Liao, Ying-Tien Wu, Jia-Lin Chang, Wu-Sheng Huang, Mei-Chun Cheng, Tsai-Chung Lee, **Chiing-Chang Chen**^{*}, “A Supervision Experience of the National Primary and High School Science Fair”, 21th International Conference on Chemical Education, August 8-13, 2010, Taipei, Taiwan.
71. Ming-Yi Chen, Jian-Xun Wang, Yi-Hxin Chiu, Mei-Chun Ku, **Chiing-Chang Chen**^{*}, “Calcium Carbide as Catalyst Precursor for the Transesterification Reaction -- A Participant Project for the Taichung Primary and High School Science Competition”, 21th International Conference on Chemical Education, August 8-13, 2010, Taipei, Taiwan.
72. J.-L. Chang^{*}, **C.-C. Chen**, C.-H. Tsai, M.-H. Chou, L.-C. Chang, **2010**, “Probing and fostering students’ reasoning abilities with a cyclic predict-observe-explain strategy, *21th International Conference on Chemical Education, Taipei, Taiwan, August 8-13.*
73. **C.C. Chen**, H.J. Fan, M.R. Chiou, F.D. Mai, “Determination of the Degraded Pathway and Identification of Intermediates by HPLC-MS and GC-MS on Photocatalytic Degradation of Crystal Violet Using Microwave Assisted Synthesis of ZnO”, 33th International Symposium on High Performance Liquid Phase Separations and related techniques, Gent, Belgium, June 17-21, **2009, IAS02.**
74. F. D. Mai, **C. C. Chen**^{*}, C. W. Wu, “**Photocatalytic Degradation of Ethyl Violet by Nano-ZnO Synthesized at New Method and Intermediates Separation, Identification, and Distribution by HPLC-PDA-ESI-MS and GC-MS Techniques**”, 33th International Symposium on High Performance Liquid Phase Separations and related techniques, Gent, Belgium, June 17-21, **2009, IAS14.**
75. **Chiingchang Chen**^{*}, Fuder Mai, Shouching Liu, Chiawei Wu, “**Synthesis and Characterization of ZnO nano-rods on Zn foil: Photocatalytic Degradation of Ethyl Violet Dye**”, The **2008** International Chemical Conference, Taipei: Analytical Chemistry. Poster Abstract 076, P.172.
76. Chung-Shin Lu^{*}, Ren-Jang Wu, **Chiing-Chang Chen**, Ming-Hung Chen, Peng-Yueh Hsu and I-Chun Yao,

- “Photocatalytic degradation of selected organophosphorus pesticides in aqueous TiO₂ suspensions: Parameter study and reaction pathways”, The Scientific Committee of the 14th ICC, Seoul, Korea, July 13-18, 2008.
77. **Chiing-Chang Chen**, Mai Fu-Der*, Chung-Shin Lu, Juei-Lin Chen. “Photodegradation of methyl green using visible irradiation in ZnO suspensions. Determination of the reaction pathway and identification of intermediates by HPLC-PDA-ESI-MS method” 31th International Symposium on High Performance Liquid Phase Separations and related techniques, Gent, Belgium, June 17-21, 2007.
78. Fu-Der Mai(麥富德), Chung-Shin, Lu (盧長興), Shou-Ching Liu (劉守靜), Juei-Lin Chen (陳瑞麟), **Chiing-Chang Chen(陳錦章)***, “A Study of Competitive Adsorption and Photodegradation of Five Triphenylmethane Dyes at Same Time from Aqueous on Nano-TiO₂ Suspensions”, Proceedings of Dalian International Symposia and Exhibition on Chromatography including 30th International Symposium on Capillary, 4th GCxGC Symposium, and 16th National Symposium and Exhibition on Chromatography, i.e. 1st Dalian International Symposia and Exhibition on Chromatography, Dalian, China, June 4-6, 2007, P16-65
79. **Chiing-Chang Chen**, Fu-Der Mai, Kung-Tung Chen, Chung-Shin Lu* “Photocatalyzed N-de-methylation and degradation of crystal violet in titania dispersions under UV irradiation”, The 8th Conference on Analytical Sciences, Taipei, Taiwan, 2005, October 16-20. PG02, p.287.
80. **Chiing-Chang Chen**, Chung-Shin Lu*, Ya-Ping Su, Kung-Tung Chen, Yuan-Tai Cheng, Kan-Yuan Chiang, Chin-Hung Chen, Si-Yi chin, ‘Ion and adsorbing colloid flotation of Amaranth ’ The 5th Congress of Toxicology in Developing Countries, Guilin, China, 2003, November 10-13, p.17.
81. Ying-Chien Chung, Ya-Ping Su, Guang Jia, **Chiing-Chang Chen**, Si-Yi chin, Kung-Tung Chen, J. C. Gaston Wu, “Relationship between Antibacterial Activity of Chitosan and Surface Characteristics of Cell Wall”, The 5th Congress of Toxicology in Developing Countries, Guilin, China, 2003, November 10-13. p.26.

(二)、國內研討會 (Internal conference paper)

1. Ai-Hsuan Lee, Fu-Yu Liu, **Chiing-Chang Chen***, Perovskites-like composites, PbBiO₂Cl/g-C₃N₄, exhibiting photocatalytic activity under visible light irradiation, 台灣化學工程學會 66 週年會暨科技部化學工程學門成果發表會, 東海大學, 2019, 11/8-11/9, Paper ID: 。
2. Chiing-Chang Chen (陳錦章)*, 鹵氧化鉍及其衍生物複合氧化石墨烯、氯化碳光觸媒之合成與應用, 第三屆台灣碳材料學術研討會, 逢甲大學, 2019, August 2-3, 論壇演講 III, p.24-25。
3. Peng-Hao Huang (黃芃豪), Jia-Xun Qiu (丘佳薰), Chiing-Chang Chen (陳錦章)*, Transesterification of soybean to biodiesel catalyzed by lithium cobaltate catalyst, 第 37 屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 大同大學, 2019, June 26-27, Paper ID: F-P-13。
4. Yan-Yun Li (李諺昀), Yong-Ming Dai (戴永銘), Peng-Hao Huang (黃芃豪), Chiing-Chang Chen (陳錦章)*, Synthesis and characterization of alkali metal niobate as a solid basic catalyst for biodiesel production, 第 37 屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 大同大學, 2019, June 26-27, Paper ID: G-P-3。
5. Yu-Chen Zhou (周渝宸), Fu-Yu Liu (劉馥毓), Chiing-Chang Chen (陳錦章)*, Controlled Hydrothermal Synthesis of BiO_xCl_y/BiO_mBr_n/g-C₃N₄ Composites Exhibiting Visible-Light Photocatalytic Activity, 第 37 屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 大同大學, 2019, June 26-27, Paper ID:

A-P-2。

6. Jiun-Ting Hung (洪雋琹), Shi-Jie Shen (沈仕傑), Chiing-Chang Chen (陳錦章)*, Synthesis of bismuth oxybromochloriodide/graphic carbon nitride quaternary composites ($\text{Bi}_x\text{O}_y\text{Cl}_z/\text{Bi}_m\text{O}_n\text{Br}_o/\text{Bi}_p\text{O}_q\text{I}_r/\text{g-C}_3\text{N}_4$) enhanced visible-light-driven photocatalytic activity, 第37屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 大同大學, 2019, June 26-27, Paper ID: C-P-5。
7. Fu-Yu Liu, Yong-Ming Dai, **Chiing-Chang Chen***, Synthesis of perovskites-like $\text{PbBiO}_2\text{Cl}/\text{GO}$ composites enhanced visible-light-driven photocatalytic activity, The 2018 Conference of Chinese Chemical Society. 2018, 12/8-9, 高雄, 中山大學, Paper ID:
8. Jiun-Ting Hung and **Chiing-Chang Chen***, Two novel heterojunction photocatalyst, $\text{Bi}_2\text{MoO}_6/\text{g-C}_3\text{N}_4$ and $\text{Bi}_{10}\text{MoO}_{18}/\text{g-C}_3\text{N}_4$: synthesis, characterization, photocatalytic activity, and mechanism, 第65屆化工年會, 雲林科技大學, 11/9-10, 2018, Paper ID: CR007, p.70.
9. **Chiing-Chang Chen (陳錦章)***, Yong-Ming Dai (戴永銘), 非均相鹼金族固態鹼觸媒在生質柴油的效用, 第36屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 逢甲大學國際會議中心, 2018, June 28-29, Paper ID: EN-IV, P.21.
10. Peng-Hao Huang (黃芃豪), Jia-Hao Lin (林佳豪), Yong-Ming Dai (戴永銘) and **Chiing-Chang Chen (陳錦章)***, A Series of Lithium Nickel Oxide Catalysts: Synthesis, Characterization, and Transesterification Activity for Biodiesel Production, 第36屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 逢甲大學國際會議中心, 2018, June 28-29, Paper ID: EN-28-P。
11. Ai-Hsuan Li, Fu-Yu Liu, Jia-Hao Lin, **Chiing-Chang Chen***, $\text{g-C}_3\text{N}_4/\text{PbBiO}_2\text{I}$ nanocomposite: Synthesis, Characterization, Photocatalytic Activity, The 2017 Conference of Chinese Chemical Society. 2017, 12/1-2, 台中, 嘉義大學, Paper ID:.
12. Yi-Chuen Wang, Fu-Yu Liu, Jia-Hao-Lin, Yong-Ming Dai, **Chiing-Chang Chen***, Controlled Hydrothermal Synthesis of $\text{PbBiO}_2\text{Br}/\text{g-C}_3\text{N}_4$ Composites Exhibiting Visible-Light Photocatalytic Activity, 第64屆化工年會, 台灣科技大學國際會議廳, 11/17-18, 2017, Paper ID:., p.XXX.
13. Chang-Yan Liu, Jia-Hao Lin, Yong-Ming Dai, **Chiing-Chang Chen***, Use of Li_2ZrO_3 composite as solid catalyst for biodiesel production, 第64屆化工年會, 台灣科技大學國際會議廳, 11/17-18, 2017, Paper ID:., p.XXX.
14. Ai-Hsuan Li, Fu-Yu Liu, **Chiing-Chang Chen***, New Type Photocatalyst $\text{PbBiO}_2\text{I}/\text{Bi}_5\text{O}_7\text{I}/\text{g-C}_3\text{N}_4$: Synthesis, Characterization, Photocatalytic Activity, 第35屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 義守大學國際會議中心, 2017, June 22-23, Paper ID: A-P-7-14。
15. Bing Yi Chen, Yong-Ming Dai, Jia Hao Lin, **Chiing-Chang Chen***, Designing a Li_2MoO_4 for Biodiesel Production by Using MoO_3 and Li_2CO_3 , 第35屆台灣區觸媒與反應工程研討會暨科技部研究計畫成果發表會, 義守大學國際會議中心, 2017, June 22-23, Paper ID: A-P-7。
16. 陳采庭(Tsai-Ting Chen), 傅靖雅(Jing-Ya Fu), **陳錦章(Chiing-Chang Chen)***, A Noble $\text{Bi}_{12}\text{SiO}_{20}/\text{GO}$ Composites: Synthesis, Characterization, Photocatalytic Activity, and Mechanism, The 2016 Conference of Chinese Chemical Society. 2016, 12/3-4, 台中, 中興大學, Paper ID:.
17. Tsui-Hsia Weng, Jing-Ya Fu, **Chiing-Chang Chen***, $\text{Bi}_3\text{O}_4\text{Br}/\text{Bi}_2\text{O}_3/\text{g-C}_3\text{N}_4$ Heterojunctions: Synthesis by Controlled Hydrothermal Method and Their Photocatalytic Properties, 第63屆化工年會, 中央大學, 11/25-26, 2016, Paper ID: 0173, p.180.

18. Hsin-Pei Huang, Yong-Ming Dai, **Chiing-Chang Chen***, Evaluating the optimum operating parameters of biodiesel production process from soybean oil using the $\text{Li}_3\text{AlSiO}_5$ catalyst, 第 63 屆化工年會, 中央大學, 11/25-26, 2016, Paper ID:.
19. Jia-Hao Lin, Hsin-Pei Huang, Hung-Hsiang Chen, Yong-Ming Dai, Shiuh-Tsuen Huang, Chiing-Chang Chen*, 第 34 屆台灣區觸媒與反應工程研討會& 2016 兩岸綠色催化學術論壇, 台灣大學國際會議中心, 2016, June 27-28, Paper ID: L01-P & PA-02, p.160。
20. 李昱勳(Yu-Hsun Lee), Chiing-Chang Chen(陳錦章)*, **$\text{BiO}_p\text{Cl}_q/\text{BiO}_x\text{I}_y/\text{GO}$ composites: Synthesis, characterization, and photocatalytic activity**, The 2015 Conference of Chinese Chemical Society. 2015, 12/4-6, 花蓮, 東華大學, Paper ID: PH-014.
21. Fu-Yu Liu(劉馥毓), Wenlian William Lee(李文亮), Chiing-Chang Chen(陳錦章)*, **Synthesis of Perovskites $\text{PbBiO}_2\text{I}/\text{PbO}$ Composites Exhibiting Visible-Light Photocatalytic Activity**, The 2015 Conference of Chinese Chemical Society. 2015, 12/4-6, 花蓮, 東華大學, Paper ID: PH-027.
22. 莫仁宇, **陳錦章***, 李文亮*, 利用爐渣合成觸媒進行轉脂化研究, 第 27 屆環工年會暨個專門學術研討會, 中原大學, 2015, 11/13-14, Paper ID: WAS048, p.25。
23. Cheng-Hsuan Hsieh, Yong-Ming Dai, **Chiing-Chang Chen***, Bauxite (aluminous soil) as a catalyst precursor for biodiesel production, The 5th cross-strait environmental protection conference, 17-23, August, 2015, Kaohsiung, Taiwan. p.99
24. Jing-Ya Fu, **Chiing-Chang Chen***, Synthesis, Characterization, Photocatalytic Activity of Bismuth Oxyfluoride by Controlled Hydrothermal Method, 第 33 屆台灣區觸媒與反應工程研討會, 台灣大學化學系積學館, 2015, June 25-27, Paper ID: B1-P-4, p.25。
25. Shan-Chen Tsai, Yong-Ming Dai, **Chiing-Chang Chen***, Transesterification of soybean oil over metal carbonate (K_2CO_3) supported Li_4SiO_4 as potential solid base catalyst, 第 33 屆台灣區觸媒與反應工程研討會, 台灣大學化學系積學館, 2015, June 25-27, Paper ID: A3-P-5, p.19。
26. Fu-Yu Liu, Ho-Pan Lin, Chiing-Chang Chen*, Controlled Hydrothermal Synthesis of $\text{BiOCl}/\text{PbBiO}_2\text{Cl}/\text{PbO}$ Composites Exhibiting Visible-Light Photocatalytic Activity, 第 33 屆台灣區觸媒與反應工程研討會, 台灣大學化學系積學館, 2015, June 25-27, Paper ID: B1-P-5, p.26。
27. Yong-Ming Dai, Jhong-Syuan Wu, **Chiing-Chang Chen***, Use of LiAlO_2 as a catalyst for biodiesel production, 2015 Jade Mountain Forum on Sustainable Environment and Environmental Nano-Technology Conference, 27-28, April, 2015, 國立成功大學, 國際會議廳舉行
28. Jia-Hao-Lin, Shang-Yi Chou, **Chiing-Chang Chen***, $\text{Ag}_3\text{PO}_4/\text{g-C}_3\text{N}_4$ Nanocomposites: Synthesis, Characterization, Photocatalytic Activity and Mechanism, 第 61 屆化工年會, 元智大學, 12/12-13, 2014, Paper ID: I-P-N-003.
29. I-Hsiang Kao, Yong-Ming Dai, Kung-Tung Chen, **Chiing-Chang Chen***, Lithium titanate as solid base catalysts for transesterification, 第 61 屆化工年會, 元智大學, 12/12-13, 2014, Paper ID: I-P-Y-008.
30. Jing-Ya Fu, Ho-Pan Lin, Chin-Tsung Yang, **Chiing-Chang Chen***, Synthesis, Characterization, Photocatalytic Properties of a Series $\text{Bi}_x\text{Mo}_y\text{O}_z$ by a Controlled Hydrothermal Method, The 2014 Conference of Chinese Chemical Society. Paper ID: SAT-P1-MA-119.
31. Chin-Tsung Yang, Ho-Pan Lin, **Chiing-Chang Chen***, $\text{Bi}_2\text{SiO}_5/\text{g-C}_3\text{N}_4$ heterojunctions: synthesis by Controlled Hydrothermal method and Their Photocatalytic Properties, The 2014 Conference of Chinese

- Chemical Society. Paper ID: SAT-A1-PH-020.
32. Jhong-Syuan Wu, Yong-Ming Dai, **Chiing-Chang Chen***, Designing a Lithium Aluminium Oxide Catalyst for Biodiesel Production by Using Aluminium oxide and Lithium Carbonate, The 2014 Conference of Chinese Chemical Society. Paper ID: SAT-A1-PH-018.
 33. Yu-Yan Chen, Yong-Ming Dai, **Chiing-Chang Chen***, ZSM-5 for the synthesis of Li_4SiO_4 for biodiesel production, 第 32 屆台灣區觸媒與反應工程研討會, 雲林科技大學, 2014, June 26-27, Paper ID:D-P-8, p.98。
 34. Jing-Yu Wang, Yong-Ming Dai, **Chiing-Chang Chen***, **Transesterification of soybean oil to biodiesel catalyzed by waste glass solid base catalyst**, 第 32 屆台灣區觸媒與反應工程研討會, 雲林科技大學, 2014, June 26-27, Paper ID: B-P-10, p.85。
 35. Ta-Wei Chien, Kuan-Miao Liu, Yong-Ming Dai, **Chiing-Chang Chen***, **Transforming Low-cost Waste Experiments Gloves to Proper Catalyst for Biodiesel Production**, 第 32 屆台灣區觸媒與反應工程研討會, 雲林科技大學, 2014, June 26-27, Paper ID: E-P-12, p.124。
 36. **Chiing-Chang Chen***, Han-Ting Chi, Ho-Pan Lin, Wen-lian William Lee*, **Synthesis, Characterization, Photocatalytic Properties of a Series of Bismuth Vanadates by a Hydrothermal Method**, 第 32 屆台灣區觸媒與反應工程研討會, 雲林科技大學, 2014, June 26-27, Paper ID:A-P-14, p.67。
 37. Yu-Rou Jiang, Wen-lian William Lee, **Chiing-Chang Chen***, Novel Heterojunction $\text{BiO}_m\text{X}_n/\text{BiO}_p\text{Y}_q$ ($X=Y=\text{Cl, Br, I}$) Photocatalysts: Synthesis, Characterization, and Activity, 第十一屆環境保護與奈米科技研討會, 中山醫學大學, 2014, May 17, Invited speaker, P.39-45.
 38. Ta-Wei Chien, Kuan-Miao Liu, Yong-Ming Dai, **Chiing-Chang Chen¹***, Waste silica gel as a catalyst precursor for biodiesel production, 第十一屆環境保護與奈米科技研討會, 中山醫學大學, 2014, May 17, Paper ID:PGE-03, p.85。
 39. Yong-Ming Dai, Yu-Jie Wang, **Chiing-Chang Chen***, Study on transesterification efficiency using steel-making slags as solid base catalyst, 第 60 屆化工年會, 元智大學, 12/12-13, 2013, Paper ID: H-004.
 40. 周尚毅 (Shang-Yi Chou), 戴永銘 (Yong-Ming Dai), 陳錦章 (**Chiing-Chang Chen**)*, **$\text{Bi}_5\text{O}_7\text{I/g-C}_3\text{N}_4$ heterojunctions: Synthesis, enhanced activity and photocatalytic mechanism**, The 2013 Conference of Chinese Chemical Society. Paper ID: PH-036.
 41. Han-Ting Chi, Chung-Shin Lu, Ho-Pan Lin, **Chiing-Chang Chen***, **Synthesis, Characterization, Photocatalytic Properties of $m\text{-BiVO}_4$, $t\text{-BiVO}_4$, and $\text{Bi}_{12}\text{V}_2\text{O}_{23}$ by a Hydrothermal Method**, The 2013 Conference of Chinese Chemical Society. Paper ID: PH-035.
 42. 楊謹聰 (Chin-Tsung Yang), 林禾弁 (Ho-Pan Lin), 陳錦章 (**Chiing-Chang Chen**)*, **Synthesis of Bi_2SiO_5 , $\text{Bi}_4\text{Si}_3\text{O}_{12}$, and $\text{Bi}_{12}\text{SiO}_{20}$ by Controlled Hydrothermal method and Their Photocatalytic Properties**, The 2013 Conference of Chinese Chemical Society. Paper ID: PH-029.
 43. Tsung-Chiang Tsai, Ren-Jang Wu, **Chiing-Chang Chen**, Ming-Hung Chen, Chung-Shin Lu, **Photocatalytic degradation of carbofuran over monoclinic BiVO_4 under visible-light irradiation**, The 2013 Conference of Chinese Chemical Society. Paper ID: AN-003.
 44. Yu-Rou Jiang, Ming-Chien Wang, Yong-Ming Dai, Ho-Pan Lin, **Chiing-Chang Chen***, **Synthesis, Characterization, Photocatalytic Activity of Visible-Light-Responsive Photocatalysts $\text{BiO}_x\text{Cl}_y/\text{BiO}_m\text{Br}_n$ by Controlled Hydrothermal Method**, 第 31 屆台灣區觸媒與反應工程研討會, 成功大學, 2013, June 27-28, Paper ID: SC-P-08, p.91。

45. Yu-Jie Wang, Yong-Ming Dai, Kung-Tung Chen, **Chiing-Chang Chen***, **Application of peanut husk ash as a low-cost solid catalyst for biodiesel production**, 第31屆台灣區觸媒與反應工程研討會, 成功大學, 2013, June 27-28, Paper ID: NEC-P-02, p.65。
46. Kun-Lin Li, Yong-Ming Dai, Yu-Rou Jiang, Shang-Yi Chou, Ming-Chien Wang, **Chiing-Chang Chen***, **Synthesis of BiOBr, Bi₃O₄Br, and Bi₁₂O₁₇Br₂ by Controlled Hydrothermal method and Their Photocatalytic Properties**, 第31屆台灣區觸媒與反應工程研討會, 成功大學, 2013, June 27-28, Paper ID: PC-P-03, p.41。
47. Wei Wang, Ming-Chien Wang, Yu-Rou Jiang, Shang-Yi Chou, **Chiing-Chang Chen***, **BiSbO₄/Sb₆O₁₃ Heterojunction Nano-Composite: Preparation, Characterization and Photocatalytic Activity**, 第31屆台灣區觸媒與反應工程研討會, 成功大學, 2013, June 27-28, Paper ID: PC-P-01, p.39。
48. Ho-Pan Lin (林禾弁), Ming-Chien Wang(王明鍵), **Chiing-Chang Chen(陳錦章)***, **Degradation efficiency and mechanism of crystal violet dye by microwave hydrothermal synthesis of SrFeO_{3-x} photocatalysts**, The 2012 Conference of Chinese Chemical Society. Paper ID: IN160, P.103.
49. 邱瑋婷(Wei-Ting Chiu), 陳建宏(Chien-Hong Chen), 李文亮(Wen-Lian William Lee), 吳政憲(Cheng-Hsien Wu), **陳錦章(Chiing-Chang Chen)***, **Synthesis of Bi₂O_{4-x} photocatalyst and degradation Efficiencies of crystal violet**, The 2012 Conference of Chinese Chemical Society. Paper ID: IN160, P.103.
50. Wun-Hong Lian(連文宏)^a, Chien-Hong Chen(陳建宏)^a, **Chiing-Chang Chen(陳錦章)*^b**, **Nanostructured WO₃/TiO₂ heterostructures catalyst high visible light photocatalytic activity**, The 2012 Conference of Chinese Chemical Society. Paper ID: IN160, P.103.
51. Chen Ya-Qian(陳雅倩)^b, Chien-Hong(陳建宏)^b, **Chen Chiing-Chang(陳錦章)^{a*}**, **Degradation efficiency and mechanism of Crystal Violet dye by persulfate advanced oxidation process**, The 2012 Conference of Chinese Chemical Society. Paper ID: IN160, P.103.
52. Yong-Ming Dai(戴永銘), **Chiing-Chang Chen*(陳錦章)**, **Application of microwave-assisted catalysis in algae oil transesterification process**, The 2012 Conference of Chinese Chemical Society. Paper ID: IN160, P.103.
53. Y. C. Lu, **C. C. Chen**, C. S. Lu*, L. K. Huang, M. H. Chen, Z. C. Cai, **“Photocatalytic degradation of Bis(2-chloroethoxy)methane by visible-light-driven BiVO₄ photocatalyst”**, 2012 CCS meeting, Tainan, December 1-2, 2012.
54. Yu-Rou Jiang(蔣語柔), Hong Lin Chen (陳泓霖), Yen-Ju Chen (陳彥如), **Chiing-Chang Chen (陳錦章)***, **Controlled Hydrothermal Synthesis of Bismuth Oxybromides and Their Visible-Light-Responsive Photocatalytic Properties**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。
55. Chung-Wei Chuang (莊崇璋), Yen-Ju Chen (陳彥如), Yu-Rou Jiang(蔣語柔), Shih-Tsuen Huang (黃旭村), **Chiing-Chang Chen (陳錦章)***, **Influence of the pH Value on the Compositions and Properties of Bismuth Oxyiodides Photocatalysts by Hydrothermal Synthesis and Their Activity**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。
56. Shang-Yi Chou (周尚毅), Yong-Ming Dai(戴永銘), Wei-Chieh Lin (林暉傑), Shie-Ru Tsai (蔡協儒), **Chiing-Chang Chen (陳錦章)***, **Bismuth Titanates /TiO₂ heterostructures and Nanosheets: fabrication and high visible light photocatalytic activity on Acid Blue 1 Dye**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。

57. Tzu-Chun Tzou (鄒紫君), **Chiing-Chang Chen (陳錦章)**, Shih-Tsuen Huang (黃旭村)*, **Visible-Light-Responsive Photocatalytic Degradation of Sulfamethoxazole in Aqueous Suspension of Bismuth Vanadate**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。
58. Ho-Pan Lin, Chung-Wei Chuang, Jau-Yan Chen, Wen-Hung Lien, **Chiing-Chang Chen***, **Photocatalytic Reduction, Reforming, and Oxidation Using TiO₂ from Aqueous Solution of Ethyl Violet Dye under Anaerobic Condition**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。
59. Cyong-Ying Liou (劉瓊瑩)^a, Ya-Yun Lai (賴雅韻)^a, Jian-Xun Wang (王建勳)^b, **Chiing-Chang Chen (陳錦章)^{b*}**, **Biodiesel production from soybean oil catalyzed by NaBiO₃ and NaVO₃**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。
60. Po-Hsiang Wang^a, Jian Xun Wang^a, Wen-Lian William Lee^b, Tsai-Chuang Lee^a, **Chiing-Chang Chen^{a*}**, **Rice husk silica for the synthesis of Li₄SiO₄ for biodiesel production**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。
61. Jau-Yuan Chen (陳昭元), Shih-Tsuen Huang (黃旭村), Jian Xun Wang (王建勳), **Chiing-Chang Chen (陳錦章)***, **Photocatalytic degradation and Products of Chloramphenicol by ZnO₂/ZnO nanocomposite**, 第30屆台灣區觸媒與反應工程研討會, 東華大學, 2012, June 28-29。
62. 周尚毅 (Shang-Yi Chou), 林暉傑 (Wei-Chieh Lin), **陳錦章 (Chiing-Chang Chen)***, **Synthesis of Ba_xSr_{1-x}TiO₃ photocatalyst and degradation Efficiencies of crystal violet**, The 2011 Conference of Chinese Chemical Society. Paper ID: IN160, P.103.
63. 林暉傑 (Wei-Chieh Lin), 蔡協儒 (Shie-Ru Tsai), 陳錦章 (Chiing-Chang Chen)*, **Degradation Efficiencies and Mechanisms of Sulfan Blue with Bismuth Titanate Photocatalyst**, The 2011 Conference of Chinese Chemical Society. Paper ID: IN159, P.102.
64. **Yen-Ju Chen (陳彥如)**, Hong Lin Chen (陳泓霖), Chiing-Chang Chen (陳錦章)*, **Prepared Bismuth oxybromide photocatalyst and degradation of Crystal Violet**, The 2011 Conference of Chinese Chemical Society. Paper ID: IN147, P.102.
65. 陳昭元 (Jau-Yuan Chen), Wen-Lian William Lee (李文亮), Chiing-Chang Chen (陳錦章)*, **Degradation Pathways and Efficiencies of Crystal Violet Dye by ZnO₂ nanopowder and ZnO₂/ZnO nanocomposite**, The 2011 Conference of Chinese Chemical Society. Paper ID: IN158, P.102.
66. Chia-Wei Nien (粘家維), Jian Xun Wang (王建勳), Shih-Tsuen Huang (黃旭村), Chiing-Chang Chen (陳錦章)*, **Lithium carbonate load on active carbon as the catalyst for transesterification reaction**, The 2011 Conference of Chinese Chemical Society. Paper ID: SU052, P.85.
67. 黃旭村 (Shih-Tsuen Huang), 盧春年 (Chun-Nien Lu), 陳錦章 (Chiing-Chang Chen)*, **利用UV/TiO₂光催化降解Ampicillin抗生素**, The 2011 Conference of Chinese Chemical Society. Paper ID: PH057, P.75.
68. 吳仲軒、王建勳、江旻珊、陳錦章*, **Application of Li₄SiO₄ as a heterogeneous catalyst in the production of biodiesel from soybean oil**, 第58屆化工年會, 成功大學, 11/25-26, 2011, Tainan, Taiwan, Paper ID: H025, P.26.
69. Yu-Rou Jing (蔣語柔), Ken-Hao Chang (張根豪), Chiing-Chang Chen (陳錦章)*, **Synthesis, photocatalytic activities of ZnMoO₄ and their degradation mechanism for Victoria Blue R dye**, 第58屆化工年會, 成功大學, 11/25-26, 2011, Tainan, Taiwan, Paper ID: H019, P.26.
70. 黃戊昇、廖宜賢、陳錦章*, **以高壓水熱法製備鈦酸鋇(BaTiO₃)及其對結晶紫染料降解效率、機構之研究**,

第九屆兩岸觸媒研討會，台灣科技大學，7/18-19, 2011, Taipei, Taiwan

71. Jian-Xun Wang ^a, Kuoti Chen ^b, Kung-Tung Chen ^c, **Chiing-Chang Chen** ^{a*}, **Transesterification of soybean oil over Na₂SiO₃ supported on carbon particle**, 第 29 屆台灣區觸媒與反應工程研討會，東海大學，2011，June 23-24。
72. Jian-Xun Wang (王建勳) ^a, Kung-Tung Chen (陳洸幢) ^b, Chiing-Chang Chen (陳錦章) ^{a*}, **Biodiesel production from soybean oil catalyzed by Li₂CO₃**, 第 29 屆台灣區觸媒與反應工程研討會，東海大學，2011，June 23-24。
73. 蔣語柔(Yu-Rou Jiang)、廖宜賢(Yi-Hsien Liao)、陳昭元(Jau-Yuan Chen)、陳錦章(Chiing-Chang Chen)*, **Synthesis, photocatalytic activities of ZnO-ZnWO₄-WO₃ system and their degradation mechanism for Victoria Blue R dye**, 第 29 屆台灣區觸媒與反應工程研討會，東海大學，2011，June 23-24。
74. **Cyong-Ying Liou (劉瓊瑩)** ^a **Ya-Yun Lai (賴雅韻)** ^a **Jian-Xun Wang (王建勳)** ^b, **Chiing-Chang Chen (陳錦章)** ^{b*}, **Transesterification of soybean oil to biodiesel using NaBiO₃ as a solid base catalyst**, 第 29 屆台灣區觸媒與反應工程研討會，東海大學，2011，June 23-24。
75. 林暉傑(Wei-Chieh Lin)、黃旭村(Shiuh-Tsuen Huang)、陳錦章(Chiing-Chang Chen)*, **Degradation Efficiencies and Mechanisms of Sulfan Blue with In(OH)₃, Hexagonal- and Cubic-In₂O₃ Photocatalyst**, 第 29 屆台灣區觸媒與反應工程研討會，東海大學，2011，June 23-24。
76. 陳彥如(Yen-Ju Chen)、張嘉麟(Jia-Lin Chang)、呂秀媛(Hsiu-Yuan Lu)、陳錦章(Chiing-Chang Chen) *, **Preparation of Bismuth Oxyiodides and Photocatalytic Degradation of Crystal Violet under Visible/UV Light Irradiation**, 第 29 屆台灣區觸媒與反應工程研討會，東海大學，2011，June 23-24。
77. 鄭美君(Mei-Chun Cheng)、陳昭元(Jau-Yuan Chen)、陳錦章(Chiing-Chang Chen) *, **Synthesis of Bi₂WO₆ photocatalyst by different hydrothermal methods and the photocatalytic efficiencies and mechanisms of crystal violet**, 第 29 屆台灣區觸媒與反應工程研討會，東海大學，2011，June 23-24。
78. Chung-Shin Lu*,**Chiing-Chang Chen**, Hsiao-Feng Lai,Lang-Wei Jheng, Shu-Hwa Chiu, **Decomposition of Acid Blue 1 over NaBiO₃ under visible light irradiation** .The **2010** Conference of Chinese Chemical Society. AN089, P.120
79. Ying-Rong Lai,Ren-Jeng Wu,**Chiing-Chang Chen**, Chung-Shin Lu*,**Photocatalytic degradation of Acid Blue 9 in zinc oxide dispersion under UV irradiation**. The **2010** Conference of Chinese Chemical Society. AN093, P.121
80. 呂秀媛，張家麟，陳彥如，**陳錦章***, 水熱法合成鉍氧鹵化(Bi₅O₇X, X= Cl, Br, I)可見光觸媒及其降解結晶紫染料研究，The 2010 Conference of Chinese Chemical Society. IN127, P.144
81. 古梅君，**陳錦章***, Photocatalytic Degradation of AB1 Dye by Al₂TiO₅-Formation and Identification of Intermediates. The 2010 Conference of Chinese Chemical Society. CA014, P.167
82. 陳彥如，廖宜賢，盧長興，**陳錦章***, NaBiO₃光催化降解結晶紫染料之研究，The 2010 Conference of Chinese Chemical Society. CA023, P.168
83. 蔣語柔，李文亮，廖宜賢，**陳錦章***, 以水熱法合成WO₃及其降解VBR染料之研究，The 2010 Conference of Chinese Chemical Society. CA024, P.168
84. 蕭千城，張嘉麟，**陳錦章***, 奈米氧化鎢降解染料之效率與機構之研究，The 2010 Conference of Chinese Chemical Society. CA025, P.168
85. 李彩瓊，盧長興，**陳錦章***, 比較AB1 染料經Photo-Fenton及Fenton降解效率及反應中間產物鑑定，The 2010

- Conference of Chinese Chemical Society. CA027, P.168
86. 黃戊昇, 黃旭村, 廖宜賢, 陳錦章*, Synthesis of BaTiO₃ photocatalyst and degradation efficiencies of crystal violet. The 2010 Conference of Chinese Chemical Society. CA030, P.169
87. 林暉傑, 廖宜賢, 陳錦章*, A study on photodegradation of AB1 by In₂O₃, The 2010 Conference of Chinese Chemical Society. CA035, P.169
88. 何明俐, 張嘉麟, 李文亮, 陳錦章*, Mechanistic pathways different between ZnO and Pt- ZnO in mediated Crystal Violet Photo degradation. The 2010 Conference of Chinese Chemical Society. CA040 P.170
89. 蔡友仁, 王建勛, 賴雅韻, 陳錦章*, SO₄²⁻/TiO₂ 固體酸酯化油酸製備生質柴油。The 2010 Conference of Chinese Chemical Society. EN034 P.190
90. 王建勛, 陳國帝, 陳錦章*, 固體矽酸鈣觸媒催化轉酯合成生質柴油。The 2010 Conference of Chinese Chemical Society. EN035 P.190
91. 蔡幸娟, 王建勛, 陳洸釗, 陳錦章* 比較研究CaO, Ca(OH)₂ 與Ca(NO)₃ 催化劑轉酯大豆油為生質柴油。The 2010 Conference of Chinese Chemical Society. EN047 P.191
92. 王建勛, 溫碧洲, 陳吉南, 許正興, 陳錦章*, 微波轉酯化與生質柴油機設計之研究, 第 28 屆台灣區觸媒與反應工程研討會, A02P_009, 2010。
93. 王建勛, 溫碧洲, 陳吉南, 許正興, 陳錦章*, 以水泥等建築廢棄物為生質柴油轉酯觸媒之研究, 第 28 屆台灣區觸媒與反應工程研討會, A02P_008, 2010。
94. 蕭千城, 張嘉麟, 陳錦章*, 奈米氧化鈹光催化降解染料之效率與機構之研究, 第 28 屆台灣區觸媒與反應工程研討會, D02O_005, 2010。
95. 蔡雅涵, 賴雅韻, 廖宜賢, 陳錦章*, 探討廢電池鋅板降解染料之研究, 第 28 屆台灣區觸媒與反應工程研討會, D03O_011, 2010。
96. 林宏澤, 陳錦章*, 用水熱法合成B-Ni(OH)₂光觸媒降解EV染料之機構探討, 第 28 屆台灣區觸媒與反應工程研討會, K01O_034, 2010。
97. 鄭美君, 陳錦章*, Oxidation Degradation of AB1 Dye by Co²⁺/peroxymonosulfate, 第 28 屆台灣區觸媒與反應工程研討會, D01P_029, 2010。
98. 呂秀媛, 張嘉麟, 陳錦章*, Fabrication, Application of NiBiOx and Photocatalytic Degradation of Crystal Violet, 第 28 屆台灣區觸媒與反應工程研討會, D01P_033, 2010。
99. 林宏澤, 賴雅韻, 廖宜賢, 陳錦章*, 零價金屬降解三苯基甲烷類染料之螯合劑效應及降解機構, 第七屆環境保護與奈米科技學術研討會, 2010, 台灣大學農業化學系
100. 陳信安, 黃旭村, 陳錦章*, 王尚禮*, 二氧化鈦對四環素之催化降解機制, 環境保護與奈米科技學術研討會, 2010
101. 王建勛, 邱懿歆, 陳國帝, 陳洸釗, 張聰慧, 陳錦章*, 鹼土族氧化物摻雜碘化鉀在生質柴油轉酯化之研究, 生化工程研討會, PI-26, 2010
102. Lin, H. T. (林宏澤), Lai, Y. Y. (賴雅韻), Chen, C. C. (陳錦章)*, "The Magnetic Photocatalytic Degradation of Methyl Violet Using Fe powder and EDTA", The 2009 Conference of Chinese Chemical Society. CC017, P.239
103. Lai, Y. J. (賴盈如), Chen, L. T. (陳立聰), Luo, Y. T. (羅友廷), Chen, C. C. (陳錦章)*, "水熱法合成SrTiO₃光觸媒及其降解染料之研究", The 2009 Conference of Chinese Chemical Society. CC016, P.239
104. Lin, J. S. (林佳詩), Huang, L. T. (黃莉婷), Chen, C. C. (陳錦章)*, "Synthesis of Bi₂WO₆ photocatalyst and

- its degradation efficiencies of crystal violet”, The **2009** Conference of Chinese Chemical Society. CC015, P.239
105. Wu, J. L. (吳佳玲)¹, Lu, C. S. (盧長興)², Wu, C. W. (吳嘉偉)¹, **Chen, C. C. (陳錦章)**^{*}, “鋅粉降解EV染料及處理染料廢水之研究”, The **2009** Conference of Chinese Chemical Society. CC027, P.240
106. Gu, F. D. (古豐定), Lu, H. Y. (呂秀媛), Hsiao, C. C. (蕭千城), **Chen, C. C. (陳錦章)**^{*}, “以水熱法合成Co₃O₄奈米粉末光觸媒及其降解染料之效率及機構之研究”, The **2009** Conference of Chinese Chemical Society. CC024, P.240
107. Hsu, Y. P. (徐又蘋)¹, Lu, C. S. (盧長興)², **Chen, C. C. (陳錦章)**^{*}, “以TiSi₂微米粉末經不同水熱法合成TiO₂奈米管在光催化降解染料之研究”, The **2009** Conference of Chinese Chemical Society. CC023, P.240
108. Chiang, C. Y. (江俊穎), Lu, C. S. (盧長興), **Chen, C. C. (陳錦章)**^{*}, “探討以TiO₂奈米粉末經高壓低溫鹼性水熱法合成TiO₂奈米管光觸媒及其對染料進行光催化降解之效率及機構”, The **2009** Conference of Chinese Chemical Society. CC014, P.238
109. Chung-Shin Lu (盧長興)^{*}, Ren-Jang Wu (吳仁彰), **Chiing-Chang Chen (陳錦章)**, I.C. Yao (姚奕群), Y. Y. Tzeng (曾乙祐), “Photocatalytic degradation of acridine orange dye over NaBiO₃ driven visible light irradiation”, The **2009** Conference of Chinese Chemical Society. AC062, P.175.
110. Chung-Shin Lu (盧長興)^{*}, Ren-Jang Wu (吳仁彰), **Chiing-Chang Chen (陳錦章)**, M. J. Chen (陳政蓉), H. F. Lai (賴曉芳), “Decomposition of acridine orange dye over NaBiO₃ under visible light irradiation”, The **2009** Conference of Chinese Chemical Society. AC043, P.173
111. **Huan-Jung Fan (范煥榮)**^b, **Mei-Rung Chiou (邱美溶)**^b, **Chiing-Chang Chen(陳錦章)**^{a*}, “Fabrication, Modification, and Application of Nano-ZnO Powder Synthesized by the Microwave-Hydrothermal and Hydrothermal Treatment of Zinc Acetate and Nitrate”, **2009** 年第 27 屆台灣區觸媒與反應工程研討會.
112. **Fu-Der Mai (麥富德)**^b, **Chia-Wei Wu(吳嘉偉)**^c, **Jia-Ling Wu(吳佳玲)**^a, **Chiing-Chang Chen(陳錦章)**^{a*}, “Photocatalytic Degradation of Dye by Nano-ZnO Synthesized at Room Temperature and Intermediates Separation, Identification, and Distribution by HPLC-PDA-ESI-MS and GC-MS Techniques”, **2009** 年第 27 屆台灣區觸媒與反應工程研討會.
113. Li-Tsung Chen (陳立聰)¹, Ying-Ju Lai (賴盈如)¹, You-Ting Luo (羅友廷)¹, Chung-Shin Lu (盧長興)², **Chiing-Chang Chen (陳錦章)**^{1*}, “Synthesis of Nano-SrTiO₃ by Microwave-hydrothermal or Hydrothermal for Photocatalytic Degradation of Crystal Violet Dye”, The **2009** 年環境分析化學研討會.
114. Chun-Ying Chieng (江俊穎)¹, Yu-Ping Hsu (徐又蘋)¹, Chung-Shin Lu (盧長興)², **Chiing-Chang Chen (陳錦章)**^{1*}, “Microwave-Hydrothermal or Hydrothermal Synthesis of Nanotube or Nanocrystalline TiO₂ for Photocatalytic Degradation of Ethyl Violet Dye”, The **2009** 年環境分析化學研討會.
115. Peng-Yueh Hsu (徐鵬岳)², Ren-Jang Wu (吳仁彰)², **Chiing-Chang Chen (陳錦章)**³, Ming-Hung Chen (陳閔鴻)², Mei-Jung Chen (陳政蓉)², Chung-Shin Lu (盧長興)^{1*} “Photocatalytic degradation of organophosphorus pesticide by TiO₂ and ZnO: a comparative study”, The **2009** 年環境分析化學研討會.
116. I-Chun Yao (姚奕群)², Ren-Jang Wu (吳仁彰)², **Chiing-Chang Chen (陳錦章)**³, Yi-You Tzeng (曾乙佑)², Chung-Shin Lu (盧長興)^{1*}, “Photocatalytic degradation of haloether: comparison of photocatalytic efficiency of ZnO and TiO₂”, The **2009** 年環境分析化學研討會.
117. **Chiing-Chang Chen(陳錦章)**^{*}, Huan-Jung Fan (范煥榮), Chung-Shin Lu (盧長興), Mei-Rung Chiou (邱美溶), Da-Tian Chang (張大田), “Fabrication, Modification, and Application of ZnO Powder Synthesized by the Microwave-hydrothermal or Hydrothermal Treatment of Zinc Nitrate”, The **2008** Conference of

- Chinese Chemical Society. PC011, P.182.
118. **Chiing-Chang Chen(陳錦章)**^{1*}, Huan-Jung Fan (范煥榮)², Chung-Shin Lu (盧長興)³, Mei-Rung Chiou (邱美溶)², Chia-Wei Wu(林家偉), “**ZnO Powder Synthesized by the Microwave-hydrothermal or Hydrothermal Treatment of Zinc Acetate: Fabrication, Modification, and Application**”, The **2008** Conference of Chinese Chemical Society. PC011, P.183.
119. Ci-Cang Zhutian (朱田次瑄), Fu-Der Mai (麥富德), Chia-Wei Wu (吳嘉偉), **Chiing-Chang Chen(陳錦章)**^{*}, “**Synthesis and Characterization of ZnO on Nano-Zn Powder: Photocatalytic Degradation of Ethyl Violet Dye**”, The **2008** Conference of Chinese Chemical Society. PC011, P.183.
120. **Chiing-Chang Chen(陳錦章)**^{*}, Fu-Der Mai (麥富德), Chung-Shin Lu (盧長興), Chia-Wei Wu(吳嘉偉), Ci-Cang Zhutian (朱田次瑄), “**Synthesis and Characterization of ZnO on Nano-Zn Powder: Photocatalytic Degradation of Ethyl Violet Dye**”, The **2008** Conference of Chinese Chemical Society. PC011, P.182.
121. Yi-You Tzeng (曾乙佑), Ren-Jang Wu (吳仁彰)², **Chiing-Chang Chen (陳錦章)**, Peng-Yueh Hsu (徐鵬岳), Ming-Hung Chen (陳閔鴻), Chung-Shin Lu (盧長興)^{*}, “**Photocatalytic degradation of acridine orange in zinc oxide dispersions under UV irradiation**”, The **2008** Conference of Chinese Chemical Society. AC002, P.146
122. Mei-Jung Chen (陳政蓉), Ren-Jang Wu (吳仁彰)², **Chiing-Chang Chen (陳錦章)**, Peng-Yueh Hsu (徐鵬岳), I-Chun Yao (姚奕群), Chung-Shin Lu (盧長興)^{*}, “**Photocatalytic degradation of acridine orange in zinc oxide dispersions under UV irradiation**”, The **2008** Conference of Chinese Chemical Society. AC003, P.146
123. Chung-Shin Lu (盧長興)^{1*}, Ren-Jang Wu (吳仁彰)², **Chiing-Chang Chen (陳錦章)**¹, I-Chun Yao (姚奕群)², Huey Huang (黃蕙)³, Soon-Bin Lin (林孫斌)³, “**Photocatalytic degradation of haloethers in aqueous ZnO suspensions**”, The **2008** 年環境分析化學研討會.
124. Ren-Jang Wu (吳仁彰)², **Chiing-Chang Chen (陳錦章)**¹, Peng-Yueh Hsu (徐鵬岳)², Ming-Hung Chen (陳閔鴻)², Kun-Li Wu (吳坤立)³, Chung-Shin Lu (盧長興)^{1*}, “**Photocatalytic degradation of insecticide phorate in zinc oxide dispersions under UV irradiation**”, The **2008** 年環境分析化學研討會.
125. **Chiing-Chang Chen (陳錦章)**^{*}, Chung-Shin Lu (盧長興), Fu-Der Mai(麥富德), Shou-Ching Liu(劉守靜), “**Synthesis and Characterization of ZnO Films: Photocatalytic Degradation of Ethyl Violet Dye**”, The **2007** Conference of Chinese Chemical Society. CAT0004, P.C-251
126. **Chiing-Chang Chen (陳錦章)**^{*}, Huan-Jung Fan (范煥榮)², Jeng-Lyan Jan (詹政連)², Song-Xing Wu (吳松興), “**Titania Powder Synthesized by the Hydrothermal Treatment: Fabrication, Modification, and Application**”, The **2007** Conference of Chinese Chemical Society. CAT0005, P.C-252.
127. **Chiing-Chang Chen (陳錦章)**^{*}, Chung-Shin Lu (盧長興), Huan-Jung Fan (范煥榮), Jeng-Lyan Jan (詹政連), Mei-Rung Chiou (邱美溶), “**Hydrothermal Preparation of Highly Photoactive TiO₂ Nanoparticles and Photocatalytic Degradation of Crystal Violet**”, The **2007** Conference of Chinese Chemical Society. MC017, P.C-207.
128. **Chiing-Chang Chen (陳錦章)**^{*}, Chun-Huai Huang (陳瑞麟), Chia-Wei Wu (吳嘉偉), Ci-Cang Zhutian (朱田次瑄), “**Synthesis of Nanofiber-TiO₂ for Photocatalytic Degradation of Victoria Blue R**”, The **2007** Conference of Chinese Chemical Society. CAT0007, P.C-252.
129. **Chiing-Chang Chen(陳錦章)**^{*}, Fu-Der Mai(麥富德), Shou-Ching Liu(劉守靜), Jau-Yuan Chen(陳昭

- 元), “ **Fabrication of Porous TiO₂ Film by Reflux and Its Photocatalytic Efficiency, Product Distribution, and Mechanisms**”, The **2007** Conference of Chinese Chemical Society. CAT0006, P.C-252.
130. Peng-Yueh Hsu (徐鵬岳), Ren-Tang Wu (吳仁彰), **Chiing-Chang Chen(陳錦章)**, Hun-Li Wu (吳坤立), Chung-Shin Lu (盧長興)*, “**Photo-oxidative degradation of insecticide pforate by a combined titanium dioxide and organic sensitizer in aqueous media**”, The **2007** Conference of Chinese Chemical Society. CAT0009, P.C-252.
131. Ren-Tang Wu (吳仁彰), **Chiing-Chang Chen(陳錦章)**, Ming-Hung Chen (陳閔鴻), Huey Hung (黃蕙), Chung-Shin Lu (盧長興)*, “**The effect of operational parameters on the photocatalytic degradation of pesticide terbufos in aqueous TiO₂ suspensions**”, The **2007** Conference of Chinese Chemical Society. ANA0013, P.C-156.
132. I-Chun Yao (姚奕群), **Chiing-Chang Chen(陳錦章)**, Ren-Tang Wu (吳仁彰), Soon-Bin Lin (林孫斌), Chung-Shin Lu (盧長興)*, “**Titanium dioxide-mediated photocatalytic degradation of haloethers in aqueous suspensions under UV irradiation**”, The **2007** Conference of Chinese Chemical Society. ANA0012, P.C-156
133. 范煥榮, 詹政連, 邱美溶, 吳松興, 陳錦章*, “**Fenton 法處理結晶紫染料與中間產物之研究**”, 中華民國環境工程學會 2007 廢水處理技術研討會, 高雄, 11 月 23-24 日, 2007, P.123.
134. Ren-Jang Wu (吳仁彰), **Chiing-Chang Chen (陳錦章)**, Ming-Hung Chen (陳閔鴻), Chung-Shin Lu(盧長興)*, “**Degradation pathways of pesticide phorate by photocatalytic reaction with TiO₂ dispersions**”, 2007 年第 25 屆台灣區觸媒與反應工程研討會.
135. Ming-Hung Chen (陳閔鴻), **Chiing-Chang Chen (陳錦章)**, Ren-Jang Wu (吳仁彰), Chung-Shin Lu(盧長興), “**Photocatalytic degradation of pesticide disulfoton in suspension of TiO₂ : identification of intermediates and degradation pathways**” The **2007** 年環境分析化學研討會.
136. Hua-Kuang Li (李華光), **Chiing-Chang Chen (陳錦章)**, Fu-Der Mai (麥富德), Tien-Yu Chiang (江典祐), Yi-Ru Tseng (曾奕儒), Chung-Shin Lu (盧長興), “**Study of the removal of alkanolamine in a titanium dioxide mediated photocatalytic process through the examination of intermediates and the reaction mechanism**”, The **2007** 年環境分析化學研討會.
137. **Chiing-Chang Chen(陳錦章)**, Cheng-Liang Chen(陳政良), Jeng-Lyan Jan (詹政連), Mei-Rung Chiou (邱美溶), Huan-Jung Fan (范煥榮)* “**Formation and identification of intermediates in the UV-light-assisted photodegradation of Ethyl Violet dye in aqueous TiO₂ dispersions**”, 2007 年第十一屆海峽兩岸環境保護學術研討會
138. **Chiing-Chang Chen (陳錦章)**, Fu-Der Mai (麥富德), Chia-Wei Wu (吳嘉偉), Tien-Yu Chiang (江典祐), Chung-Shin Lu (盧長興)*, “**Visible-Light-Induced Degradation of Acridine Orange on TiO₂ Nanoparticles**”, The **2006** Conference of Chinese Chemical Society.
139. Fu-Der Mai (麥富德), **Chiing-Chang Chen (陳錦章)**, Hua-Kuang Li (李華光), Chung-Shin Lu (盧長興)*, “**UV Light Induced Photocatalytic Degradation of Aliphatic Amine on TiO₂ Nanoparticles**”, The **2006** Conference of Chinese Chemical Society.
140. Ren-Jang Wu (吳仁彰), **Chiing-Chang Chen (陳錦章)**, Fu-Der Mai (麥富德), Ming-Hung Chen (陳閔鴻), Yi-Ru Tseng (曾奕儒), Chung-Shin Lu(盧長興)*, “**Titanium Dioxide-Mediated Photocatalytic Degradation of Terbufos in Aqueous Suspensions under UV Irradiation**”, The **2006** Conference of Chinese Chemical Society.

141. Ying Chien Chung, Chiu Yu Cheng, Chia Yuen Yen, Chiing Chang Chen^{*}, “**Biodegradation of crystal violet by *Pseudomonas putida***”, The **2006** Conference of Chinese Chemical Society.
142. Chung-Shin, Lu (盧長興), Fu-Der Mai(麥富德), Jau-Yuan Chen(陳昭元), Chiing-Chang Chen(陳錦章)^{*}, “**The Influence of Dissolved Metal Ions on Photocatalytic Degradation of Sulfan Blue in Aqueous TiO₂ Suspensions**”, The **2006** Conference of Chinese Chemical Society.
143. Huan-Jung Fan (范煥榮), Chung-Shin Lu (盧長興), Jeng-Lyan Jan (詹政連), Mei-Rung Chiou (邱美溶), Chiing-Chang Chen(陳錦章)^{*}, “**The Influence of Metal Ion on Photocatalytic Degradation of Crystal Violet in Aqueous TiO₂ Suspensions**”, The **2006** Conference of Chinese Chemical Society.
144. Chiing-Chang Chen(陳錦章)^{*}, Chung-Shin, Lu (盧長興), Fu-Der Mai(麥富德), Chia-Wei Wu (吳嘉偉), “**Mechanisms of the ZnO-Mediated Photocatalytic Degradation of Victoria Blue R under Visible Light Irradiation**”, The **2006** Conference of Chinese Chemical Society.
145. Chiing-Chang Chen(陳錦章)^{*}, Chung-Shin, Lu (盧長興), Fu-Der Mai, (麥富德), Jau-Yuan Chen(陳昭元), Chun-Huai Huang (黃俊淮), “**Formation and Identification of Intermediates in the Degradation of Sulfan Blue Dye by Fenton’s Reagent**”, The **2006** Conference of Chinese Chemical Society.
146. Chiing-Chang Chen(陳錦章)^{*}, Chung-Shin Lu (盧長興), Huan-Jung Fan (范煥榮), Mei-Rung Chiou (邱美溶), Jeng-Lyan Jan (詹政連), “**Photocatalytic degradation of Crystal Violet by Platinum Loaded TiO₂**”, The **2006** Conference of Chinese Chemical Society.
147. Chiing-Chang Chen(陳錦章)^{*}, Fu-Der Mai(麥富德), Chia-Wei Wu (吳嘉偉), “**Studies on the Photocatalytic Degradation of Basic Blue 11 Dye Using Nafion-Coated and Fluorinated TiO₂ Photocatalysts**”, The **2006** Conference of Chinese Chemical Society.
148. Chiing-Chang Chen(陳錦章)^{*}, Fu-Der Mai(麥富德), Chung-Shin, Lu (盧長興), Shou-Ching Liu (劉守靜), Chun-Huai Huang (陳瑞麟), “**Photocatalytic Degradation of Methyl Green in Aqueous ZnO Suspensions. Determination of the Reaction Pathway and Identification of Intermediates by HPLC-PDA-ESI-MS Method**”, The **2006** Conference of Chinese Chemical Society.
149. Chiing-Chang Chen(陳錦章)^{*}, Fu-Der Mai(麥富德), Chung-Shin, Lu (盧長興), Shou-Ching Liu (劉守靜), Chun-Huai Huang (陳瑞麟), “**Photocatalytic Degradation of Methyl Green in Aqueous ZnO Suspensions. Determination of the Reaction Pathway and Identification of Intermediates by HPLC-PDA-ESI-MS Method**”, The **2006** Conference of Chinese Chemical Society.
150. Fu-Der Mai(麥富德), Chung-Shin, Lu (盧長興), Shou-Ching Liu (劉守靜), Juei-Lin Chen (陳瑞麟), Chiing-Chang Chen(陳錦章)^{*}, “**A Study of Competitive Adsorption and Photodegradation of Five Triphenylmethane Dyes at Same Time from Aqueous on Nano-TiO₂ Suspensions**”, The **2006** Conference of Chinese Chemical Society.
151. Chung-Shin Lu (盧長興)^{*}, Chiing-Chang Chen (陳錦章), Fu-Der Mai (麥富德), Tien-Yu Chiang (江典祐), Yi-Jin Wu (吳宜瑾), Hsiu-De Lin (林修德), Hua-Kuang Li (李華光), “**Photocatalytic Degradation of Ethyl-tert-Butyl Ether under UV Irradiation in Aqueous TiO₂ Dispersions**”, The **2006** 年環境分析化學研討會
152. Chiing-Chang Chen(陳錦章)^{*}, Chung-Shin Lu(盧長興), Fu-Der Mai(麥富德), Chia-Wei Wu(吳嘉偉), Chyan-Syang Weng(翁千翔), Jau-Yuan Chen (陳昭元), “**Photocatalyzed degradation of Victoria Blue R using suspended TiO₂**”, The **2006** 年環境分析化學研討會
153. Chiing-Chang Chen(陳錦章)^{*}, Chung-Shin Lu(盧長興), Fu-Der Mai(麥富德), Chun-Huai Huang (黃俊淮),

- Huan-Jung, Fan (范煥榮), Jeng-Lyan Jan (詹政連), Mei-Rung Chiou (邱美溶), “**Mechanistic studies of the photocatalytic degradation of methyl green: an investigation of products of the decomposition processes**”
The 2006 年環境分析化學研討會
154. **Chiing-Chang, Chen (陳錦章)***, Chung-Shin, Lu (盧長興), Fu-Der Mai (麥富德), Chyan-Syang Weng (翁千翔), Chun-Huai Huang (黃俊淮), “Photocatalytic decolorization of anionic triarylmethane dye (sulfan blue) in zinc oxide dispersions under UV irradiation”, The 2005 Conference of Chinese Chemical Society.ANA0332.
155. **Chiing-Chang, Chen (陳錦章)***, Chung-Shin, Lu (盧長興), Huan-Jung, Fan (范煥榮), Hsiu-De Lin (林修德). ” Photocatalytic degradation of ethyl violet dye in aqueous solutions with zinc oxide nanoparticles”, The 2005 Conference of Chinese Chemical Society.AC0941.
156. Chung-Shin, Lu (盧長興), **Chiing-Chang, Chen (陳錦章)**, Fu-Der Mai (麥富德), Yi-Jin Wu(吳宜瑾), Chen-Chia Tai (戴振家), “Study on tin dioxide-mediated photocatalytic degradation of Michler’s ketone”, The 2005 Conference of Chinese Chemical Society.AC0125.
157. **Chiing-Chang, Chen (陳錦章)***, Chung-Shin, Lu (盧長興), Huan-Jung, Fan (范煥榮), Jeng-Lyan, Jan (詹政連), “The *N*-de-methylation and degradation of crystal violet by fenton’s reagent”, The 2005 Conference of Chinese Chemical Society.AC0145.
158. Chung-Shin, Lu (盧長興), **Chiing-Chang, Chen (陳錦章)**, Fu-Der Mai (麥富德), Jun-shao Lin(林君紹), Chia-Wei Wu(吳嘉偉), “Photocatalytic degradation of acridine orange in aqueous TiO₂ under UV irradiation”, The 2005 Conference of Chinese Chemical Society.ANA0334.
159. **Chiing-Chang Chen*(陳錦章)**, Chung-Shin Lu(盧長興), Huan-Jung Fan(范煥榮), Jeng-Lyan Jan(詹政連), Hsiu-De Lin(林修德), “Formation and identification of intermediates in the UV-light-assisted photodegradation of Ethyl Violet dye in aqueous TiO₂ dispersions”, 2005 年第十屆海峽兩岸環境保護學術研討會, X-10, p.118.
160. **Chiing-Chang Chen*(陳錦章)**, Chung-Shin Lu(盧長興), Huan-Jung Fan(范煥榮), Chung-Yi Jang(張崇義), Jeng-Lyan Jan(詹政連), Hsiu-De Lin(林修德), “Photocatalyzed *N*-de-methylation and degradation of crystal violet in TiO₂ dispersions under UV irradiation”, The 2005 年環境分析化學研討會, p. 230.
161. **Chiing-Chang Chen(陳錦章)***, Chung-Shin Lu(盧長興), Fu-Der Mai(麥富德), Chyan-Syang Weng(翁千翔), Chen-Chia Tai(戴振家), “Photooxidative *N*-de-ethylation of anionic triarylmethane dye (sulfan blue) in TiO₂ dispersions under UV irradiation”, The 2005 年環境分析化學研討會, p.231.
162. Chung-Shin Lu(盧長興)*, **Chiing-Chang Chen(陳錦章)**, Fu-Der Mai(麥富德), Yi-Jin Wu(吳宜瑾), Jun-Shao Lin(林君紹), “TiO₂-mediated photocatalytic degradation of 4,4’-Bis(diethylamino) benzophenone in aqueous suspensions “, The 2005 年環境分析化學研討會, p.229.
163. **Chiing-Chang Chen(陳錦章)***, Chung-Shin Lu(盧長興), Fu-Der Mai(麥富德), Yi-Jin Wu(吳宜瑾), Chyan-Syang Weng(翁千翔) ‘Formation and identification of intermediates in the UV-light-assisted photodegradation of 4,4’-Bis(dimethylamino)benzophenone (Michler’s Ketone) in aqueous TiO₂ dispersions’
The 2004 Conference of Chinese Chemical Society.PC50.
164. **Chiing-Chang Chen(陳錦章)**, Chung-Shin Lu(盧長興)*, Huan-Jung Fan(范煥榮), Chung-Yi Jang(張崇義), Jeng-Lyan Jan(詹政連), Hsiu-De Lin(林修德) “Formation and identification of intermediates in the visible-light-assisted photodegradation of *N,N,N’,N’,N’,N’* - Hexamethylpararosaniline (Crystal Violet) dye in aqueous TiO₂ dispersions” The 2004 Conference of Chinese Chemical Society.AN209.
165. **Chiing-Chang Chen(陳錦章)***, Chung-Shin Lu(盧長興), Ya-Ping Su (蘇亞萍), Kung-Tung Chen(陳洸幢)

- “Two competitive primary processes in the photodegradation of Ethyl Violet dye under visible irradiation in TiO₂ dispersions” The **2004** Conference of Chinese Chemical Society.AC71.
166. Chung-Shin Lu(盧長興), **Chiing-Chang Chen(陳錦章)***, Fu-Der Mai(麥富德), Chen-Chia Tai(戴振家), Jun-Shao Lin(林君紹)² “Photocatalytic degradation of Methylene Blue dye in aqueous solution containing TiO₂ nanoparticle dispersions” The **2004** Conference of Chinese Chemical Society.AC72.
167. **Chiing-Chang Chen***, Chung-Shin Lu, Ya-Ping Su, Huan-Jung Fan, Chung-Yi Jang ‘TiO₂-mediated photocatalytic degradation of a triphenylmethane dye(malachite green), in aqueous suspensions’ The **2004** 年環境分析化學研討會, 195 頁
168. Chung-Shin Lu, **Chiing-Chang Chen***, Ya-Ping Su, Kung-Tung Chen, J. C. Gaston Wu, ‘Removal of Safranin-O from Aqueous Solution by Using Adsorptive Bubble Separation Techniques’ The **2004** 年環境分析化學研討會, 201 頁
169. **Chiing-Chang Chen***, Chung-Shin Lu, Ya-Ping Su, Kung-Tung Chen, Jau-Shyong Chen, J. C. Gaston Wu, Yuan-Tai Cheng, Kan-Yuan Chiang, Chin-Hung Chen, ‘Photocatalytic degradation of ethyl violet dye in aqueous solution containing TiO₂ nanoparticle dispersions’ The **2003** Conference of Chinese Chemical Society.AC06.
170. 盧長興*、**陳錦章**、蘇亞萍、王憶菁、陳洸鱧、鄭遠泰、陳慶宏、江幹允、林孫斌、何嘉蕾、, 92 年, Trace determination of m-phenylenediamine in hair dyes by high performance liquid chromatography, **2003** 年環境分析化學研討會, 78 頁。
171. 張君安、黃蕙、胡桂發、王純美、盧長興、**陳錦章**, 92 年, 土壤重金屬測定干擾之探討, **2003** 年環境分析化學研討會, 43 頁。
172. **C.C. Chen**, C.Y. Lee, C.S. Liu, H.T. Chiu, “Deposition of WxSiy Thin Film from Difluorosilylene and Tungsten Hexafluoride,” The **1993** Conference of Chinese Chemical Society, p.228.
173. **C.C. Chen**, C.Y. Lee, C.S. Liu, H.T. Chiu, “Low pressure chemical vapor deposition of TiSi₂ thin films from SiF₂ and TiCl₄”. The **1991** Conference of Chinese Chemical Society p.540.

三、專書及專書論文

1. Jia-Lin Chang, **Chiing-Chang Chen**, Chia-Hsing Tsai, Yong-Chang Chen, Meng-Hsun Chou, and Ling-Chuan Chang, “**Probing and Fostering Students’ Reasoning Abilities with a Cyclic Predict-Observe-Explain Strategy**”, Chemistry Education and Sustainability in the Global Age, Springer, 2013, Heidelberg. (Book)
2. J.-L. Chang,* C.-L. Lee, **C.-C. Chen**, H.-Y. Lu, C.-C. H Hsiao, and M.-L. He, **2010**, in *Sulfur Dioxide: Properties, Applications and Hazards*, B. W. Compton (Ed.), Nova Science: New York
3. **陳錦章** 審定, 黃秉祈, 呂卦南等著, **95** 年, 簡明化學, 新文京開發出版股份有限公司圖書公司, ISBN 986-150-398-6。
4. **陳錦章** 等著, **93** 年, 普通化學, 華格那出版公司, ISBN 986-7905-44-X。
5. **陳錦章** 審定, 黃秉祈, 呂卦南等著, **92** 年, 化學, 新文京開發出版股份有限公司圖書公司, ISBN 957-512-766-8。
6. **陳錦章** 等著, **91** 年, 化學, 華格那出版公司, 局版臺省字第 928 號, ISBN 986-7905-02-4。
7. **C.C. Chen**, Ph.D. Dissertation, National Tsing Hua University, R.O.C. **1994**. 陳錦章,

四、專利、證照及技術報告

1. 2020 年美國發明申請案號 CP-4729-US：METHOD FOR PRODUCING BIODIESEL AND TRIACETIN
2. 2019 年大陸發明申請案號 201911100557.1：还原二氧化碳产制碳化化合物的方法
3. 2019 年中華民國發明申請案號為 108112171：還原二氧化碳產製碳化化合物之方法
4. 2018 年中華民國發明第 TW-I-612132 號：用於製造生質柴油之固體鹼觸媒、其製備方法及應用其之生質柴油製造方法
5. 2017 年中華民國發明第 TW-I-599649 號：用於製造生質柴油之固體鹼觸媒、其製備方法及應用其之生質柴油製造方法
6. 2016 年中國大陸發明專利第 CN-201410538021.9 號：产制生物柴油的方法及系统
7. 2016 年中國大陸發明專利第 CN-201210404211.2 號：固体碱触媒、其制备方法及应用其之生质柴油制造方法
8. 2015 年中華民國發明第 TW-I-493025 號：一種生質柴油粉狀固態觸媒轉酯設備系統結構
9. 2014 年中華民國發明專利第 TW-I-462776 號：固體鹼觸媒、其製備方法及應用其之生質柴油製造方法
10. 2014 年中華民國發明第 TW-I-422673 號：以廢棄水泥渣製備生質柴油轉酯化觸媒之方法
11. 2014 年中華民國發明第 TW-I-422674 號：以電石渣為原料製備觸媒進行轉酯化反應製備生質柴油之方法
12. 2013 年中華民國發明專利第 TW-I-417250 號：污水處理方法
13. 環保署甲級毒性化學物資專業技術管理人員證照：(89)環署訓證字 JA130082 號
14. 環保署甲級廢水處理專責人員證照：(88)環署訓證字 GA100147 號
15. 八十五年度國科會科學工業園區創新技術研究發展計畫『微鑽表面被覆陶瓷硬膜產品開發』
16. 經濟部八十五年度主導性新產品開發計畫『甲基乙烯基醚之均聚合體開發計畫』

五、獲獎與榮譽事項

(一) 獲獎與提名

1. 陳錦章特聘教授獲提名 2019 年埃尼獎 (ENI Award) 候選人。埃尼獎是世界能源領域最權威、最負盛名的獎項，被譽為世界能源領域的諾貝爾獎。
2. 榮獲 99-108 年度科技部研究績優獎勵。
3. 榮獲 107-108 高教深耕計畫補助彈性薪資獎勵。
4. 榮獲 2015 年最佳論文審查人獎 (Top Reviewer Award 2015), Renewable Energy, SCI: Impact factor = 4.357, Ranking = 18/92 (Q1)(energy and fuels category)
5. 榮獲民國 103 年台灣化學工程學會會誌(Journal of the Taiwan Institute of Chemical Engineers, IF= 3.000) 「石延平教授論文獎」論文獎，論文題目：「Rice husk ash as a catalyst precursor for biodiesel production」。
6. 榮獲 100 年度教育部「未獲邁向頂尖大學計畫及獎勵大學教學卓越計畫之大專院校實施特殊優秀人才彈性薪資」，連續三年獎勵。
7. 榮獲 100-105 年台中教育大學研究績優老師獎勵。

(二) 榮譽事項

1. 擔任 105 年考選部國家考試，地方特考化工組出題委員、閱卷委員。
2. 101-109 年擔任台中市化學科科展評審暨講評委員。
3. 105-106 擔任苗栗縣化學科科展評審委員。
4. 擔任 100 年考選部國家考試，關務特考化工組出題委員、閱卷委員。

5. 擔任 101, 103 年考選部國家考試，地方特考化工組出題委員、閱卷委員。
6. 100 年擔任台中市化學科科展評審暨講評委員。
7. 99 年擔任台中市、彰化縣化學科科展評審委員。
8. 98 年擔任台中縣、彰化縣化學科科展評審委員。
- 9.