

◇ 期刊論文：（*為通訊作者）

1. Y-C Ho, S-J Wu, F-L Mi*, Y-L Chiu, S-H Yu, N Panda, H-W Sung, “Thiol-modified, Chitosan Sulfate Nanoparticles for Protection and Release of Basic Fibroblast Growth Factor”, *Bioconjugate Chemistry*, Publication Date (Web): December 14, 2009, DOI: 10.1021/bc900208t. (SCI) (Impact Factor : 4.584)
2. S-J Wu*, T-H Liou and F-L Mi, 2009, “Synthesis of zero-valent copper-chitosan nanocomposites and their application for treatment of hexavalent chromium”, *Bioresource Technology*, 100, 4348-4353. (SCI) (Impact Factor : 4.453)
3. T-H Liou*, S-J Wu, 2009, “Characteristics of microporous/ mesoporous carbons prepared from rice husk under base and acid treated conditions”, *Journal of Hazardous Materials*, 171, 693-703. (SCI) (Impact Factor : 2.975)
4. T-K Lin, S-J Wu*, C-K Peng and C-H Yeh, 2009, “Surface modification of polytetrafluoroethylene films by plasma pretreatment and graft copolymerization to improve their adhesion to bismaleimide”, *Polymer International*, 58, 46-53. (SCI) (Impact Factor : 2.029)
5. S-J Wu* and M-L Mi, 2006, “Cure kinetics of a cyanate ester blended with poly(phenylene oxide)”, *Polymer International*, 55, 1296-1303. (SCI) (Impact Factor : 2.029)
6. S-J Wu*, 2006, “Cure Reaction and Phase Separation Behavior of Cyanate Ester-Cured Epoxy/Polyphenylene Oxide Blends”, *Journal of Applied Polymer Science*, 102, 1139-1145. (SCI) (Impact Factor : 1.187)
7. 吳紹榮, 林宗寬, 徐新興, 2002, “表面處理對克維拉纖維複合材料介面性質之影響”, *強化塑膠*, 91, 34-41.
8. S. J. Wu, T. K. Lin, and S. S. Shyu*, 2000, “Cure behavior, morphology and mechanical properties of the melt blends of epoxy with polyphenylene oxide”, *Journal of Applied Polymer Science*, 75, 26-34. (SCI) (Impact Factor : 1.187)
9. S. J. Wu, T. K. Lin, J. X. Zhang and S. S. Shyu*, 2000, “The properties of cyanate ester cured epoxy/polyphenylene oxide blends as a matrix material for kevlar fiber composites”, *Journal of Adhesion Science and Technology*, 14, 1423-1438. (SCI) (Impact Factor : 0.869)
10. S. J. Wu, N. P. Tung, T. K. Lin, and S. S. Shyu*, 2000, “Thermal and mechanical properties of PPO filled epoxy resins compatibilized by triallylisocyanurate”, *Polymer International*, 49, 1452-1457. (SCI) (Impact Factor : 2.029)
11. T. K. Lin, S. J. Wu, G. G. Lai, and S. S. Shyu*, 2000, “Effect of chemical treatment on reinforcement-matrix interaction in Kevlar fiber/bismaleimide composites”, *Composites Science and Technology*, 60, 1873-1878. (SCI) (Impact Factor : 2.533)
12. S. R. Wu, G. S. Sheu, and S. S. Shyu*, 1996, “Kevlar Fiber-Epoxy Adhesion and Its Effect on Composite Mechanical and Fracture Properties by Plasma and Chemical Treatment”, *Journal of Applied Polymer Science*, 62, 1347-1360. (SCI) (Impact Factor : 1.187)

◇ 國際研討會論文：（*為通訊作者）

1. S. J. Wu*, T. H. Liou, S. H. Yu, F. L. Mi, T. K. Lin, C. H. Yeh, 2009, “Treatment of Arsenic-Containing Solutions Using Zero-Valent Copper-Chitosan Nanocomposites”, The 11th

International Conference on Chitin and Chitosan, Taipei, Taiwan.

2. T. K. Lin, S. H. Yu, F. L. Mi, S. J. Wu*, C. H. Yeh, W. Q. Zhong, 2009, "Synthesis and fluorescence studies of Ag nanoparticles in chitosan aqueous solutions", The 11th International Conference on Chitin and Chitosan, Taipei, Taiwan.
3. Y-C Ho, S-J Wu, S-H Yu, N Panda, F-L Mi*, S-F Peng, H-W Sung, 2009, "2-Iminothiolane-modified chitosan sulfate nanoparticles for controlled release of basic fibroblast growth factor", The 11th International Conference on Chitin and Chitosan, Taipei, Taiwan.
4. J-C Pang, S-H Yu, S-J Wu, F-L Mi, S-S Shyu*, 2009, "Preparation and characterization of radical and pH-responsive chitosan-gallic acid conjugate drug carriers", The 11th International Conference on Chitin and Chitosan, Taipei, Taiwan.
5. F-L Mi*, Y-C Ho, S-H Yu, S-R Wu, Z-Y Lee, C-W Wu, B-Q Huang, 2009, "A thiol-modified, sulfate chitosan derivative membrane for binding and releasing basic fibroblast growth factor", 5th Conference of the Aseanian Membrane Society, Kobe, Japan.
6. S-J Wu, F-L Mi, T-H Liou, C-K Peng and T-K Lin*, 2008, "Studies on the Adhesion between Polytetrafluoroethylene and Bismaleimide by NH₃ and N₂ Plasma Treatment", Taiwan/Korea/Japan ChE Conference, Taipei, Taiwan.
7. T-H Liou*, B-H Jiang and S-J Wu, 2008, "Synthesis and Characterization of Mesoporous Silica by Mixed Surfactant as template", Taiwan/Korea/Japan ChE Conference, Taipei, Taiwan.
8. S-H Yu, S-S Shyu, F-L Mi*, S-J Wu, M-Y Lin, 2008, "Synthesis of thiolated heparin-like chitosan derivatives for long-term release of basic fibroblast growth factor", 0331-053, The 42nd IUPAC World Polymer Congress 2008Macro, Taipei, Taiwan.
9. S-J Wu*, C-K Peng, S-H Yu, F-L Mi and S-S Shyu, 2006, "Treatment of chromium using copper-chitosan nanocomposites", The 7th Asia-Pacific Chitin and Chitosan Symposium, Busan, South Korea, April 23-26.
10. S-S Shyu*, S-H Yu, F-L Mi, H-W Sung, S-J Wu and C-K Peng, 2006, "SEM and TEM studies of the bioinspired mineralization of apatites in/on chitosan/gelatin/TPP composites", The 7th Asia-Pacific Chitin and Chitosan Symposium, Busan, South Korea, April 23-26.
11. F-L Mi*, S-H Yu, H-W Sung, H-F Liang, M-F Huang, S-J Wu and S-S Shyu, 2006, "Synthesis and characterization of a novel galactosylated chitosan for hepatocyte affinity", The 7th Asia-Pacific Chitin and Chitosan Symposium, Busan, South Korea, April 23-26.
12. S-H Yu*, F-L Mi, S-J Wu, C-K Peng, H-W Sung and S-S Shyu, 2006, "Stabilization of the fibroblast growth factor with chondroitin sulfate-chitosan conjugated networks", The 7th Asia-Pacific Chitin and Chitosan Symposium, Busan, South Korea, April 23-26.
13. S. S. Shyu*, T. K. Lin, S. J. Wu, 1999, "Effect of plasma treatment on reinforcement-matrix interaction in Kevlar fiber/bismaleimide composites", Second International Symposium on Polymer Surface Modification: Relevance to Adhesion, USA.
14. S. R. Wu, G. S. Sheu, and S. S. Shyu*, 1996, "Kevlar Fiber-Epoxy Adhesion and Its Effect on Composite Mechanical and Fracture Properties by Surface Treatment", 19th Annual Adhesion Society Meeting, USA.

☆ 國內研討會論文 (*為通訊作者)

1. 洪東良, 葉照賢, 吳紹榮*, 2010, "多孔性幾丁聚醣吸附二價銅離子之研究", 第三十三屆高分

子學術研討會。(高雄)

2. 黃承鈺, 林宗寬, 吳紹榮*, 2010, “以幾丁聚醣與聚乙烯吡咯烷酮穩定銀奈米粒子之製備”, 第三十三屆高分子學術研討會。(高雄)
3. 吳紹榮*, 劉宗宏, 林宗寬, 2009, “利用幾丁聚醣/銀奈米粒子溶液為重金屬離子感測器”, 2009 國際化妝品科技研討會暨技術交流展示會, 260. (ISBN: 978-986-7482-85-3) (台中)
4. 吳紹榮, 陳錫圭, 康程豪, 蕭明昌, 林宗寬*, 2009, “化妝品消費行為與態度之研究”, 2009 國際化妝品科技研討會暨技術交流展示會, 269. (ISBN: 978-986-7482-85-3) (台中)
5. 吳紹榮*, 王思傑, 鍾文琪, 2008, “零價金屬/幾丁聚醣奈米複合材料之合成及處理含砷水溶液”, 2008 幾丁質與幾丁聚醣研討會, 60-63. (台南)
6. 吳紹榮*, 葉照賢, 彭志剛, 2008, “聚四氟乙烯氬氣電漿表面改質之研究”, 第七屆台塑企業應用工程技術研討會。(台北)
7. S-H Yu, S-S Shyu*, F-L Mi**, S-J Wu, M-Y Lin, T-C Yu, 2008, “Synthesis and characterization of thiolated SCM-chitosan derivatives”, DP06, 2008 高分子聯合會議。(新竹)
8. 吳紹榮*, 2007, “幾丁聚醣承載零價銅奈米粒子之特性與應用”, 2007 台灣幾丁質幾丁聚醣研討會, 457-460. (ISBN-13: 978-986-82327-6-1) (桃園)
9. S-H Yu, S-S Shyu, Y-C Ho, F-L Mi*, S-J Wu, 2007, “Synthesis of thiolated SCM-chitosan derivatives with heparin-like molecular structures”, 2007 台灣幾丁質幾丁聚醣研討會, 560-563. (ISBN:978-986-82327-6-1) (桃園)
10. 黃連倉, 吳紹榮*, 余淑惠, 糜福龍, 2007, “幾丁質仿肝素分子之化學改質”, 綠色環保科技與生物科技類, 第六屆台塑企業應用工程技術研討會。(台北)
11. 吳弦聰*, 吳紹榮, 李國通, 2007, “Red 177 顏料分散液之製備”, 化工製程與尖端材料技術類, 第六屆台塑工程技術研討會。(台北)
12. 葉昭賢, 張煜光, 邱絢揚, 陳育誠, 陳立洋, 曾靖仁, 吳紹榮*, 2005, “幾丁聚醣-銅奈米複合材料之製備與分析”, 第五屆關係企業應用技術研討會。(台北)
13. 徐新興*, 彭志剛, 糜福龍, 余淑惠, 黃美鳳, 傅子亮, 吳紹榮, 林宗寬, 2005, Chitosan/Gelatin/TPP Nano Composites for Biomimetic Growth of Calcium Phosphate, 第二十八屆高分子研討會論文專輯, E-O-III-03.
14. 徐新興*, 彭志剛, 糜福龍, 余淑惠, 吳紹榮, 2005, Polysaccharide-Based Artificial Extracellular Matrix : Preparation and Characterization of Three-Dimensional, Macroporous Chitosan and Chondroitin Sulfate Composite Scaffold, 第二十八屆高分子研討會論文專輯, E-P-II-004.
15. 陸崇軒, 陳書霖, 沈祐霆, 丁金超, 吳紹榮, 張煜光*, 2004, “固定化金屬離子-幾丁聚醣複合顆粒在蛋白質吸附行為之研究”, 2004 幾丁質類生物高分子研討會, C-44.
16. 吳紹榮*, 林宗寬, 葉昭賢, 2004, “聚氧化二甲苯對於氰酸酯/環氧樹脂系統之硬化行為之影響”, 第二十七屆高分子研討會論文專輯, C036.
17. 吳紹榮*, 周凱茹, 丁金超, 葉昭賢, 2003, “氰酸酯/聚氧化二甲苯摻合體相型態及熱性質分析”, 第三屆台塑關係企業應用技術研討會。

18. 吳紹榮*, 吳於貝, 2003, “幾丁聚醣與海藻膠複合薄膜應用於創傷批覆材料之物性研究”, 第三屆台塑關係企業應用技術研討會.
19. 施宏道、林宗寬、余淑惠、吳紹榮、徐新興*, 2003, “四氟乙烯與雙馬來醯亞胺摻合體性質之研究”, 第二十六屆高分子研討會論文專輯, GP-1-08.
20. 林宗寬*, 吳紹榮, 2003, “纖維表面處理與改質雙馬來醯亞胺複合材料機械性質之研究”, 第二十六屆高分子研討會論文專輯, GP-1-17.
21. 施宏道, 吳紹榮, 林宗寬, 徐新興*, 2002, “四氟乙烯與雙馬來醯亞胺摻合體性質之研究”, 第二十五屆高分子研討會論文專輯, EP-2-2.
22. 林宗寬*, 吳紹榮, 徐新興, 2002, “Study on the mechanical property of modified bismaleimides for Kevlar fiber composite(II)”, 第二十五屆高分子研討會論文專輯, DP-2-11.
23. 吳紹榮*, 林宗寬, 徐新興, 2001, “氰酸酯/聚氧化二甲苯摻合體硬化動力學之研究”, 第二十四屆高分子研討會論文專輯, 高分子摻合, PF-22.
24. 林宗寬*, 楊靜儀, 吳紹榮, 徐新興, 2001, “改質聚雙馬來醯亞胺與克維拉纖維複合材料機械性質之研究”, 第二十四屆高分子研討會論文專輯, 複合材料, PF-44.
25. 吳紹榮, 林宗寬, 彭志剛, 徐新興*, 2000, “氰酸酯硬化之環氧樹脂與聚氧化二甲苯摻合體性質之研究”, 第二十三屆高分子研討會論文專輯, 高分子摻合及加工, OD-02.
26. 周凱茹, 吳紹榮, 徐新興*, 2000, “聚氧化二甲苯/氰酸酯摻合體之反應性及相行為之研究”, 第二十三屆高分子研討會論文專輯, 高分子摻合及加工, PD-09.
27. 林宗寬, 吳紹榮, 徐新興*, 楊靜儀, 2000, “聚雙馬來醯亞胺/克維拉纖維複合材料介面性質之研究”, 第二十三屆高分子研討會論文專輯, 高分子複合材料, PG-02.
28. 吳紹榮, 林宗寬, 張景旭, 徐新興*, 1999, “環氧樹脂/聚氧化二甲苯/克維拉纖維複合材料性質研究”, 第二十二屆高分子研討會論文專輯, 複合材料, 417-418.
29. 林宗寬, 吳紹榮, 徐新興*, 1999, “Effect of surface treatment on property of Kevlar fiber reinforced bismaleimide compound”, 第二十二屆高分子研討會論文專輯, 複合材料, 415-416.
30. 吳紹榮, 林宗寬, 徐新興*, 1998, “環氧樹脂/聚氧化二甲苯摻合體熱性質及相行為之研究”, 第二十一屆高分子研討會論文專輯, 複合材料及高分子加工, 248-251.
31. 董寧波, 吳紹榮, 徐新興*, 1998, “環氧樹脂與聚氧化二甲苯摻合體性質之研究”, 第二十一屆高分子研討會論文專輯, 複合材料及高分子加工, 14-17.
32. 吳紹榮, 徐新興*, 1998, “表面處理對克維拉纖維複合材料機械及破壞性質之研究”, 第五屆三軍官校基礎學術研討會, 4.06, 1-6.
33. 賴俊谷, 林宗寬, 吳紹榮, 徐新興*, 1997, “聚雙馬來醯胺/克維拉纖維複合材料介面及破壞性質之研究”, 第二十屆高分子研討會論文專輯, 201-204.
34. 周文賢*, 吳紹榮, 葉日文, 王佰偉, 1996, “Imidazole 系列促進劑對溴化環氧樹脂流變性質的影響”, 第十九屆高分子研討會論文專輯.
35. S. R. Wu, G. S. Sheu, and S. S. Shyu*, 1995, “Study on the Mechanical and Fracture Properties of

Kevlar Fiber Composites”, 第十八屆高分子研討會論文專輯.

◇ 專書：

1. S. S. Shyu, T. K. Lin, F. H. Su and S. J. Wu, 2000, “Effect of plasma treatment on reinforcement-matrix interaction in Kevlar/bismaleimide composites”, in *Polymer Surface Modification: Relevance to Adhesion*, vol. 2, 199-213, ed. by K. L. Mittal, VSP.