

Chiu, Wen-Yen (邱文英)

Professor

B.S. in Chemical Eng., National Taiwan Univ., 1972

M.S. in Chemical Eng., National Taiwan Univ., 1975

Ph.D. in Chemical Eng., National Taiwan Univ., 1980

Research and Professional Interests

1. Polymerizations
2. Core-shell latex particles
3. Inorganic/ organic nanosize materials
4. Functional latex IPN
5. Living free radical polymerization
6. Biodegradable polymers
7. Chitosan-containing copolymers
8. Starch-containing copolymers
9. Temperature sensitive polymers

Projects (started from 2010)

1. 新型 PSS copolymer /PEDOT 分散水溶液之研發及其導電薄膜之性質研究, (NSC 99-2221-E-002-018-MY3) 99.08.01 - 102.07.31 NT\$ 3,517,000
2. 以自組裝方式製備環境敏感型生物高分子奈米中空微多孔顆粒與藥物釋放之應用, (NSC 99-2221-E-002-019-MY3) 99.08.01 - 102.07.31 NT\$ 2,019,000 元整
3. 多功能電紡高分子奈米纖維之製備、結構控制及應用, (99-2120-M-002) 99.8.1 - 102.7.31 NT\$9,000,000 元整
4. 高分子奈米複合光學材料 3 年計畫, 經濟部技術處 學界科專辦公室
5. 機能性耐指紋藥劑之研究與開發研究計畫義守大學、燁輝企業股份有限公司,
6. 100.07.01 - 100.12.31 NT\$217,390 元整

SCI Papers

1. Cheng, K.-C., Lin, C.-H., Hsu, Y.-H., Chuang, T.-H., Guo, W. and **Chiu, W.-Y.**, "Environmentally responsive amphiphilic cationic block copolymers synthesized by 2,2,6,6-Tetramethylpiperidinyloxy mediated living free-radical polymerization," *Journal of Applied Polymer Science*, 128 (1) , pp. 239-247 (2013)
2. Liu, C.-Y., Huang, K.-C., Chung, P.-H., Wang, C.-C., Chen, C.-Y., Vittal, R., Wu, C.-G., **Chiu, W.-Y.** and Ho, K.-C., "Graphene-modified polyaniline as the catalyst material for the counter electrode of a dye-sensitized solar

- cell,” *Journal of Power Sources*, Volume 217, 1 November 2012, Pages 152-157 (2012)
3. Liu, H.-W., Chang, D.-Y., **Chiu, W.-Y.**, Rwei, S.-P., Wang, L. “Fullerene bisadduct as an effective phase-separation inhibitor in preparing poly(3-hexylthiophene)-[6,6]-phenyl-C 61-butyric acid methyl ester blends with highly stable morphology,” *Journal of Materials Chemistry*, Volume 22, Issue 31, 21 August 2012, Pages 15586-15591 (2012)*
 4. Chou, F.-Y., Shih, C.-M., Tsai, M.-C., **Chiu, W.-Y.** and Lue, S.J., “Functional acrylic acid as stabilizer for synthesis of smart hydrogel particles containing a magnetic Fe₃O₄ core,” *Polymer (United Kingdom)*, Volume 53, Issue 14, 21 June 2012, Pages 2839-2846 (2012)
 5. Dong, R.-X., Liu, C.-T., Huang, K.-C., **Chiu, W.-Y.**, Ho, K.-C. and Lin, J.-J., “Controlling formation of silver/carbon nanotube networks for highly conductive film surface,” *ACS Applied Materials and Interfaces*, Volume 4, Issue 3, 28 March 2012, Pages 1449-1455 (2012)
 6. Chen, C.-F., Lei, I.-A. and **Chiu, W.-Y.**, “Mixed-surfactant-induced morphology change of polyaniline,” *Journal of Applied Polymer Science*, Volume 126, Issue SUPPL. 2, 25 November 2012, Pages E195-E205 (2012)*
 7. Chuang, W.-J., **Chiu, W.-Y.** and Tai, H.-J., “Temperature-dependent conductive composites: Poly(N-isopropylacrylamide-co-N-methylol acrylamide) and carbon black composite films,” *Journal of Materials Chemistry*, Volume 22, Issue 38, 14 October 2012, Pages 20311-20318 (2012)*
 8. Yin, H.-E., Huang, F.-H., **Chiu, W.-Y.** “Hydrophobic and flexible conductive films consisting of PEDOT:PSS-PBA/fluorine-modified silica and their performance in weather stability,” *Journal of Materials Chemistry*, Volume 22, Issue 28, 28 July 2012, Pages 14042-14051 (2012)*
 9. Lee, C.-F., Lin, M.-L., Wang, Y.-C., **Chiu, W.-Y.** “Synthesis and characteristics of poly(N-isopropylacrylamide-co-methacrylic acid)/Fe₃O₄thermosensitive magnetic composite hollow latex particles,” *Journal of Polymer Science, Part A: Polymer Chemistry*, Volume 50, Issue 13, 1 July 2012, Pages 2626-2634 (2012)*
 10. Chuang, W.-J., **Chiu, W.-Y.** “Thermo-responsive nanofibers prepared from poly(N-isopropylacrylamide-co-N- methylol acrylamide),” *Polymer (United Kingdom)*, Volume 53, Issue 14, 21 June 2012, Pages 2829-2838 (2012)*
 11. Chuang, W.-J., **Chiu, W.-Y.** , Tai, H.-J. “Thermally crosslinkable poly(N-isopropylacrylamide) copolymers: Synthesis and characterization of temperature-responsive hydrogel,” *Materials Chemistry and Physics*, Volume 134, Issue 2-3, 15 June 2012, Pages 1208-1213 (2012)*

12. Yin, H.-E., Wu, C.-H., Kuo, K.-S., **Chiu, W.-Y.**, Tai, H.-J. “Innovative elastic and flexible conductive PEDOT:PSS composite films prepared by introducing soft latexes,” *Journal of Materials Chemistry* Volume 22, Issue 9, 7 March 2012, Pages 3800-3810 (2012)*
13. Wu, C.-H., **Chiu, W.-Y.**, Don, T.-M. “Conductive composite particles synthesized via pickering emulsion polymerization using conductive latex of poly(3,4-ethylenedioxythiophene) (PEDOT) as stabilizer” *Polymer* Volume 53, Issue 5, 28 February 2012, Pages 1086-1092 (2012)*
14. Dong RX, Chen SI, Lin JL, **Chiu WY**, Lin JJ, “Polyimide Dispersants for De-Bundling Multiwalled Carbon Nanotube and Associating Silver Nanoparticles” *Polymer*. (2011). (submitted) 合著
15. Dong RX, Wang YC, Liu CT, Huang KC, **Chiu WY**, Ho KC, Lin JJ, “Fabrication of Flexible and Conductive Films by Solution Coating of Poly(oxyethylene)-Oligo(imide) Assisted Silver/Carbon Nanotube Hetero-hybrids on Polyimides”, *Carbon*. (2011) (submitted) 合著
16. Chen CF, Lei IA, **Chiu WY**, “Mixed Surfactants Induced Morphology Change of Polyaniline”, *Journal of Applied Polymer Science*. (2011) (Accepted)
17. Wu CH, **Chiu WY**, Don TM, “Conductive Composite Particles Synthesized via Pickering Emulsion Polymerization Using Conductive Latex of Poly(3,4-ethylenedioxythiophene) (PEDOT) as Stabilizer”, *Polymer*. (2011) (submitted)
18. Yin HE, Wu CH, Kuo KS, **Chiu WY**, Tai HJ, “Innovative Elastic and Flexible Conductive PEDOT:PSS Composite Films Prepared by Introducing Soft Latexes”, *Journal of Materials Chemistry*. (2011) (Submitted)
19. Chieh-Han Wu, Trong-Ming Don, **Wen-Yen Chiu**, “Characterization and Conversion Determination of Stable PEDOT Latex Nanoparticles Synthesized by Emulsion Polymerization”, *Polymer*, 52, (6): 1375-1384. (2011) (EI, SCI).
20. Chuang CY, Don TM, **Chiu WY**, “Preparation of environmental-responsive chitosan-based nanoparticles by self-assembly method”, *Carbohydrate Polymers*, 84, (2): 765-769. (2011) (EI, SCI).
21. Chou IC, Lee CF, **Chiu WY**, “Preparation of Novel Suspensions of ZnO/Living Block Copolymer Latex Nanoparticles via Pickering Emulsion Polymerization and Their Long Term Stability”, *Journal of Polymer Science Part A-Polymer Chemistry*, 49, (16): 3524-3535. (2011) (EI, SCI).
22. Yin HE, Lee CF, **Chiu WY**, “Preparation of thermally curable conductive films PEDOT:P(SS-NMA) and their performances on weather stability and water resistance”, *Polymer*, 52, (22): 5065-5074. (2011) (EI, SCI).

23. Yin HE, Wu CH, Kuo KS, **Chiu WY**, Lee CF, Li NT, Chen PJ, “Synthesis and optoelectronic properties of high transparent polymer based anode materials with good wetting abilities and their application in electroluminescent devices”, *Synthetic Metals*, 161, (17-18): 1878-1885. (2011) (EI, SCI).
24. Chuang CY, Don TM, **Chiu WY**, “Synthesis of Chitosan-Poly(acrylic acid) Complex Particles by Dispersion Polymerization and Their Applications in pH buffering and Drug Release”, *Journal of Applied Polymer Science*, 120, (3): 1659-1670. (2011) (EI, SCI).
25. Lin CT, **Chiu WY**, Lu HC, Meliana Y, Chern CS, “Miniemulsion copolymerizations of methyl methacrylate and butyl acrylate in the Presence of Reactive Costabilizer”, *Journal of Applied Polymer Science*, 115 (5):2786-2793. (2010) (EI, SCI)
26. Kuo KH, **Chiu WY**, Don TM, “Kinetic Behavior of Photo-Polymerization of UV-Curable Resins with Carboxylic Acid and Amino Groups” *Journal of Applied Polymer Science*, 115(4):1982-1994. (2010) (EI, SCI)
27. Kuo KH, **Chiu WY**, Don TM, “Synthesis of UV-Curable/Alkali-Soluble Dispersants Used for Black Photoresist with a High Loading of Carbon Black” *Journal of Applied Polymer Science*, 115 (3):1803-1813. (2010) (EI, SCI)
28. Luo YD, Chen JH, Huang CI, **Chiu WY**, “Molecular Dynamics Study of TiO₂/Poly(acrylic acid-co-methyl methacrylate) and Fe₃O₄/Polystyrene Composite Latex Particles Prepared by Heterocoagulation”, *Journal of Applied Polymer Science*, 116 (4):2275-2284. (2010) (EI,SCI)合著
29. Chuang CY, Don TM, **Chiu WY**, “Synthesis and Characterization of Stimuli-Responsive Porous/Hollow Nanoparticles by Self-Assembly of Chitosan-Based Graft Copolymers and Application in Drug Release”, *Journal of Polymer Science Part A: Polymer Chemistry*, 48(11): 2377-2387. (2010) (EI,SCI)合著
30. Chou IC, Luo YD, **Chiu WY**, “A new approach to controlled/living radical polymerization by DPE method”, *Polymer*, 51: 2527-2532. (2010) (EI, SCI)
31. Yin HE, Kuo KH, **Chiu WY**, “Synthesis of UV-curable Resin/ZnO Composite Films as pH buffering material”, *E-polymers*, Art. No. 59, 2010 (EI, SCI)
32. Lin CT, **Chiu WY**, Lu HC, Meliana Y, Chern CS, “Miniemulsion copolymerizations of methyl methacrylate and butyl acrylate in the Presence of Reactive Costabilizer” *Journal of Applied Polymer Science*, 115, 2786-2793 (2010) (EI, SCI) (96-2221-E-002-142-MY3)

33. Kuo KH, **Chiu WY**, Hsieh KH. "Synthesis of UV-curable silane coupling agent as an adhesion promoter", *Materials Chemistry and Physics*, 113 (2-3): 941-945. (2009) (EI, SCI) 合著
34. Yamashita K, Fujiwara N, Fujiwara Y, Nakaoki T, **Chiu WY**, Stroeve P, "Diffusion and Morphological Properties of Syndiotactic Polypropylene (sPP) Films", *Polymer Engineering and Science*, 49 (4): 740-746. (2009) (EI, SCI)
35. Kuo KH, **Chiu WY**, Hsieh KH, Don TM. "Novel UV-curable and alkali-soluble resins for light-shielding black matrix application", *European Polymer Journal*, 45 (2): 474-484. (2009) (EI, SCI) 合著
36. Luo YD, Dai CA, **Chiu WY**, "Nucleation Mechanism and Morphology of Composite Latex Polystyrene/Fe₃O₄ Particles via Miniemulsion Polymerization Using AIBN as Initiator", *Journal of Applied Polymer Science*, 112 (2):975-984. (2009) (EI, SCI) 合著
37. Luo YD, Dai CA, **Chiu WY**, "P(AA-SA) Latex Particle Synthesis via Inverse Miniemulsion Polymerization-Nucleation Mechanism and Its Application in pH Buffering", *Journal of Colloid and Interface Science*, 330 (1): 170-174. (2009) (EI, SCI) 合著
38. Chuang CY, Don TM, **Chiu WY**, "Synthesis and Properties of Chitosan-Based Thermo- and pH- Responsive Nanoparticles and Application in Drug Release", *Journal of Polymer Science Part A-Polymer Chemistry*, 47 (19):5126-5136. (2009) (EI,SCI)
39. Luo YD, Chou IC, **Chiu WY**, Lee CF, "Synthesis of PMMA-b-PBA Block Copolymer in Homogeneous and Miniemulsion Systems by DPE Controlled Radical Polymerization", *Journal of Polymer Science Part A-Polymer Chemistry*, 47 (17):4435-4445. (2009) (EI,SCI) (96-2221-E-002-142-MY3)
40. Kuo KH, **Chiu WY**, Cheng KC, "Preparation and Kinetic Analysis of PS-b-PBA Block Copolymer by 4-oxo-TEMPO Capped Polystyrene Macroinitiators", *Journal of Applied Polymer Science*, 113 (5):2833-2842. (2009) (EI,SCI)
41. Luo YD, **Chiu WY**, Dai CA, "Facile Synthesis of One-to-One Copy of Monomer Droplet to Latex Particle via Equilibrium Stabilized Miniemulsion Polymerization", *Polymer Engineering and Science*, 49 (6):1043-1049. (2009) (EI,SCI) 合著
42. Chuang CY, Don TM, **Chiu WY**, "Synthesis of Chitosan-Based Thermo- and pH- Responsive Porous Nanoparticles by Temperature-Dependent Self-Assembly Method and Their Application in Drug Release", *Journal of Polymer Science Part A: Polymer Chemistry*, 47 (19):5126-5136. (2009) (EI,SCI)

43. Luo YD, **Chiu WY**, "Synthesis and kinetic analysis of DPE controlled radical polymerization of MMA", *Journal of Polymer Science Part A: Polymer Chemistry*, 47 (24):6789-6800. (2009) (EI,SCI)
44. Li CY, Li YH, Hsieh KH, **W.Y. Chiu**, "High-molecular-weight polyurethanes prepared by one-step miniemulsion polymerization", *Journal of Applied Polymer Science* 107 (2): 840-845 (2008) (EI,SCI) 合著
45. Don TM, Huang ML, Chiu AC, Kuo KH, **W.Y. Chiu**, Chiu LH "Preparation of thermo-responsive acrylic hydrogels useful for the application in transdermal drug delivery systems", *Materials Chemistry and Physics*, 107(1): 266-273, (2008) (EI,SCI)
46. Kuo KH, **W.Y. Chiu**, Cheng KC, "Influence of DMF on the polymerization of tert-butyl acrylate initiated by 4-oxo-TEMPO-capped polystyrene macroinitiator", *Polymer International*, 57 (5): 730-737, (2008) (EI,SCI)
47. Luo YD, Dai CA, **W.Y. Chiu**, "Polystyrene/Fe₃O₄ composite latex via miniemulsion polymerization-nucleation mechanism and morphology", *Journal of Polymer Science Part A-Polymer Chemistry*, 46, (3): 1014-1024, (2008) 合著
48. Chen HJ, Wang LY, **W.Y. Chiu**, "Preparation of MEH-PPV/nanosized titania hybrids via *in situ* sol-gel reaction of titanium alkoxide: optical property". *Journal of Polymer Science Part A-Polymer Chemistry*, 46(2): 515-529, (2008) (EI,SCI) 工合著
49. Chen JH, Dai CA, **W.Y. Chiu**, "Synthesis of Highly Conductive EDOT Copolymer Films via Oxidative Chemical In-Situ Polymerization". *Journal of Polymer Science Part A-Polymer Chemistry*, 46 (5): 1662-1673, (2008) (EI,SCI) 合著
50. Chen HJ, Wang LY, **W.Y. Chiu**, Don TM, "Synthesis of nanosized PAA/titania hybrid composites - Experiment and modeling". *Ceramics International*, 34 (3): 467-477, (2008) (EI,SCI) 工合著
51. Chuang CY, Don TM, **W.Y. Chiu**, "Synthesis and properties of Chitosan-Modified Poly(acrylic acid)", *Journal of Applied Polymer Science*, 109 (5): 3382-3389, (2008) (EI,SCI)
52. Chen CF, **W.Y. Chiu**, "In-situ Polymerization of EDOT in Water/Methanol with Different DBSA Contents", *E-polymers*, no82, (2008), (EI,SCI)
53. Lee CF, Lin CC, **W.Y. Chiu**, "Thermosensitive and Control Release Behavior of Poly(N-isopropylacrylamide-co-acrylic acid) Latex Particles", *Journal of Polymer Science Part A-Polymer Chemistry*, 46 (17): 5734-5741. (2008) (EI,SCI)
54. Jeng J, Chen TY, Lee CF, Liang NY, **W.Y. Chiu**, "Growth Mechanism and pH-regulation Characteristics of Composite Latex Particles Prepared from

- Pickering Emulsion Polymerization of Aniline/ZnO Using Different Hydrophilicities of Oil Phases” *Polymer*, 49 (15): 3265-3271. (2008) (EI,SCI)
55. Chen JH, Cheng CY, **W.Y. Chiu**, Lee CF, Liang NY, “Synthesis of ZnO/Polystyrene Composites Particles by Pickering Emulsion Polymerization”, *European Polymer Journal*, 44 (10): 3271-3279, (2008) (EI, SCI)
 56. Lee CF, Lin CC, Chien CA, **W.Y. Chiu**, “Thermosensitive and Control Release Behavior of Poly(N-isopropylacrylamide – co – acrylic acid) / Nano-Fe₃O₄ Magnetic Composite Latex Particle That is Synthesized by a Novel Method”, *European Polymer Journal*, 44(9): 2768-2776, (2008)(EI, SCI) (NSC91-2216-E002-020)
 57. Kuo KH, Peng YH, **W.Y. Chiu**, Don TM. “A Novel Dispersant for Preparation of High Loading and Photo-Sensitive Carbon Black Dispersion”, *Journal of Polymer Science, Part A- Polymer Chemistry*, 46(18): 6185-6197, (2008).(EI, SCI)
 58. Dai CA, Chang CJ, Chi HY, Chien HT, Su WF, **W.Y. Chiu**, “Emulsion synthesis of nanoparticles containing PEDOT using conducting polymeric surfactant: Synergy for colloid stability and intercalation doping”, *Journal of Polymer Science Part A-Polymer Chemistry*, 46 (7): 2536-2548, (2008)(EI, SCI) 工合著
 59. Chen HJ, Wang LY, **W.Y. Chiu** “Synthesis and characterization of MEH-PPV/nanosized titania hybrids prepared via *in situ* sol–gel reaction”, *Materials Chemistry and Physics*, 112 (2): 551-556, (2008). (EI, SCI) 工合著
 60. Luo YD, Dai CA, **W.Y. Chiu**, “Synthesis of P(AA-SA)/ZnO Composite Latex Particles via Inverse Miniemulsion Polymerization and its Application in pH Regulation and UV Shielding”, *Journal of Polymer Science Part A-Polymer Chemistry*, 46 (24): 8081-8090, (2008). (EI, SCI)合著(NSC94-2216-E002-152)

International Conference Papers

1. I-Chen Chou, **Wen-Yen Chiu**, 2012/6, “A new route to sub-micron monodisperse latex from coalescence induced pickering emulsion polymerization in the presence of hydrophilic particles”, 2012 IUPAC MACRO World Polymer Congress, Blacksburg, Virginia, USA.
2. I-Ann, Lei, Dai-Fu, Lai, Trong-Ming Don, **Wen-Yen Chiu**, 2012/6, “Hybrid materials of ZrO₂-modified silicon rubbers with high transparency and refractive index”, 2012 IUPAC MACRO World Polymer Congress, Blacksburg, Virginia, USA

3. Hui-En Yin, Chieh-Han Wu, **Wen-Yen Chiu**, 2011/8, “Novel elastic conductive composite films PEDOT:PSS/P(BA-St)”, The 242th ACS National Meeting and Exposition, Denver, Colorado, USA.
4. Hui-En Yin, Kai-Shiang Kuo, **Wen-Yen Chiu**, 2011/8, “Preparation of flexible conductive films PEDOT:PSS-PBA”, The 242th ACS National Meeting and Exposition, Denver, Colorado, USA.
5. Hui-En Yin, Chieh-Han Wu, Kai-Shiang Kuo, **Wen-Yen Chiu**, Chia-Fen Lee, Nien-ting Li, Pei-Jing Chen, 2011/11, “High Transparent Conductive Polymer PEDOT:PSS/PVP Served as Anode Materials in Electroluminescent Devices”, The 2011 MRS Fall Meeting, Boston, Massachusetts, USA.
6. Hui-En Yin, Chia-Fen Lee, **Wen-Yen Chiu**, 2011/11, “Superior performances on Weather stability and Water resistance for thermal curable conductive film PEDOT:P(SS-NMA)”, The 2011 MRS Fall Meeting, Boston, Massachusetts, USA.
7. Rui-Xuan Dong, Ying-Chiao Wang, Chung-Te Liu, **Wen-Yen Chiu**, Jiang-Jen Lin, 2011/4, “Preparation of Flexible and Electric Conductive Films Consisting of Silver/Carbon Nanotube Nanohybrids”, 1st International Conference on Clean Energy Science, Dalian, China. (合著)
8. Chieh-Han Wu, Hsiu-Ping Shen, Trong-Ming Don, **Wen-Yen Chiu**, 2011/11, “Preparation of Highly Elastic and Conductive Films Derived from Poly(3,4-ethylenedioxythiophene)-Polystyrenesulfonic Acid (PEDOT:PSS) on Nonwoven Fabrics”, 2011 MRS Fall Meeting , Boston, Massachusetts, USA.
9. Shih-Ru Huang, **Wen-Yen Chiu**, King-Fu Lin, 2011/7, “Fe₃O₄ / Thermo-Responsive Polymer Composite Nanofibers”, The Nineteen Annual International Conference on Composites/Nano Engineering (ICCE-19), Shanghai, China.
10. Wen-Ju Chuang, **Wen-Yen Chiu**, 2011/7, “Stimuli-Responsive Polymer Nanofiber with Inorganic Nanoparticles”, The Nineteen Annual International Conference on Composites/Nano Engineering (ICCE-19), Shanghai, China.
11. Chieh-Han Wu, Hsiu-Ping Shen, Trong-Ming Don, **Wen-Yen Chiu**, “Preparation of Highly Elastic and Conductive Films Derived from Poly(3,4-ethylenedioxythiophene)-Polystyrenesulfonic Acid (PEDOT:PSS) on Nonwoven Fabrics”, 2011 MRS Fall Meeting & Exhibit, Boston, Massachusetts, USA. (2011/11)
12. Hui-En Yin, Chieh-Han Wu, Kai-Shiang Kuo, **Wen-Yen Chiu**, Chia-Fen Lee, Nien-ting Li, Pei-Jing Chen, “High Transparent Conductive Polymer PEDOT:PSS/PVP Served as Anode Materials in Electroluminescent Devices”, The 2011 MRS Fall Meeting, Boston, Massachusetts, USA. (2011/11)

13. Hui-En Yin, Chia-Fen Lee, **Wen-Yen Chiu**, “Superior performances on Weather stability and Water resistance for thermal curable conductive film PEDOT:P(SS-NMA)”, The 2011 MRS Fall Meeting, Boston, Massachusetts, USA. (2011/11)
14. Hui-En Yin, Chieh-Han Wu, **Wen-Yen Chiu**, “Novel elastic conductive composite films PEDOT:PSS/P(BA-St)”, The 242th ACS National Meeting and Exposition, Denver, Colorado, USA. (2011/8)
15. Hui-En Yin, Kai-Shiang Kuo, **Wen-Yen Chiu**, “Preparation of flexible conductive films PEDOT:PSS-PBA”, The 242th ACS National Meeting and Exposition, Denver, Colorado, USA. (2011/8)
16. Shih-Ru Huang, **Wen-Yen Chiu**, King-Fu Lin, “Fe₃O₄ / Thermo-Responsive Polymer Composite Nanofibers”, The Nineteen Annual International Conference on Composites/Nano Engineering (ICCE-19), Shanghai, China. (2011/7)
17. Wen-Ju Chuang, **Wen-Yen Chiu**, “Stimuli-Responsive Polymer Nanofiber with Inorganic Nanoparticles”, The Nineteen Annual International Conference on Composites/Nano Engineering (ICCE-19), Shanghai, China. (2011/7)
18. Rui-Xuan Dong, Ying-Chiao Wang, Chung-Te Liu, **Wen-Yen Chiu**, Jiang-Jen Lin, “Preparation of Flexible and Electric Conductive Films Consisting of Silver/Carbon Nanotube Nanohybrids”, 1st International Conference on Clean Energy Science, Dalian, China. (合著) (2011/4)
19. Chen Chou, **Wen-Yen Chiu**, “Preparation of ZnO/Living Block Copolymer Latex Nanoparticles via Pickering Emulsion Polymerization” 2010 第七屆亞澳複合材料會議, 臺北台灣。 (96-2221-E-002-142-MY3) (2010/11)
20. Chieh-Han Wu, Trong-Ming Don, and **Wen-Yen Chiu**, “Conductive Latex Particles Synthesized via Pickering Emulsion Polymerization Using Conductive Polymer Poly (3, 4 – ethylenedioxythiophene) (PEDOT) as Stabilizer”, The 13th Asia Pacific Confederation of Chemical Engineering Congress, Taipei, Taiwan. (2010/10)
21. Hui-En Yin, Kuo-Huai Kuo, **Wen-Yen Chiu**, “Synthesis of UV-curable Resin/ZnO Composite Films as pH buffering material”, 2010 ACS Conference, California, USA. (2010/3)
22. Chieh-Han Wu, Ya-Chun Huang, **Wen-Yen Chiu**, “Stable Dispersion of PEDOT Latex Nanoparticles Synthesized by Emulsion Polymerization: Conversion Determination and Application to pH buffering”, 2010 ACS National meeting, San Francisco, USA. (2010/3)
23. **W.Y. Chiu**, Chen TY, Lee CF, Liang NY, “Synthesis of pH buffering ZnO/PANI nanocomposites by Pickering emulsion polymerization” MRS 2008

- Spring, Moscone West and San Francisco Marriott, San Francisco, USA(95-EC-17-A-08-S1-015)(2008/3)
24. **W.Y. Chiu**, Kuo KH, Don TM, “Novel UV-curable dispersant for a high loading of carbon black dispersion for black matrix application”, MACRO 2008, Taipei, Taiwan (Invited Speaker) (2008/7)
 25. Kuo KH, **W.Y. Chiu**, Don TM, “Photo-Polymerization of Acrylic Resins Containing Carboxylic Acid Group-Kinetic Study ”MACRO 2008, Taipei.(2008/7)
 26. Luo YD, Dai CA, **W.Y. Chiu** and Ho KC, “P(AA-SA) Latex Particles Synthesis via Inverse Miniemulsion Polymerization-Nucleation Mechanism and Its Application in pH Buffering”,MACRO 2008, Taipei (95-EC-17-A-08-S1-015) (2008/7)
 27. Chen JH, Hsieh MC, **W.Y. Chiu**, “ZnO/PEDOT Composite Film with pH Tuning Ability”, MACRO 2008, Taipei (95-EC-17-A-08-S1-015) (2008/7)
 28. Kuo KH, **W.Y. Chiu**, Don TM, Hsieh KH, “A Novel Alkali and UV Curable Soluble Dispersant for High Loading Carbon Black Dispersion and Its Lithography Property” 236th ACS National Meeting, Philadelphia, Pennsylvania, USA. (2008/8)
 29. Chen JH, Cheng CY, **W.Y. Chiu**, Lee CF, and Liang NY, “Synthesis of ZnO/Polystyrene Composites Particles by Pickering Emulsion Polymerization” 236th ACS National Meeting, Philadelphia, Pennsylvania, USA (95-EC-17-A-08-S1-015) (2008/8)
 30. **W.Y. Chiu**, “Morphology of PU/PMMA Hybrid Particles from Miniemulsion Polymerization”, 2008 海峽兩岸高分子研討會, 台北台灣(Invited Speaker) (NSC-95-2221-E002-152) (2008/11)

Domestic Conference Papers

1. 李佳芬, **邱文英**, 王于誠, 朱俊勳, 2012/1/16, "新型 Fe₃O₄/living block copolymer 之合成及其自組裝微胞型態與藥物釋放之研究", 第三十五屆高分子研究討論會, 中原大學, 桃園, 台灣. (NSC 99-2221-E-041-004)
2. 鄞暉恩, 黃逢璽, **邱文英**, 2012/1/16, "PEDOT:PSS/Silica 疏水導電薄膜材料研究", 第三十五屆高分子研究討論會, 中原大學, 桃園, 台灣.
3. 黃致豪, 李佳芬, 朱俊勳, **邱文英**, 2012/1/16, "環境敏感型奈米纖維應用於藥物釋放之研究", 第三十五屆高分子研究討論會, 中原大學, 桃園, 台灣.
4. 周奕辰, **邱文英**, 2012/1/16, "利用一步驟無乳化劑固體顆粒穩定聚合法合成均一粒徑分佈之高分子/二氧化矽核/殼", 第三十五屆高分子研究討論會, 中原大學, 桃園, 台灣.

5. 董睿軒,王映樵,劉崇德,邱文英,林江珍, 2012/1/16, "Controlling Formation of Silver/Carbon Nanotube Networks for Highly Conductive Film Surface", 第三十五屆高分子研究討會, 中原大學, 桃園, 台灣. (NSC 99-2221-E-005-011-MY3)
6. 雷以安,賴岱甫,邱文英, 2012/1/16, "含無機顆粒高折射率及高透明度之複合高分子材料", 第三十五屆高分子研究討會, 中原大學, 桃園, 台灣.
7. 賴岱甫,雷以安,邱文英,董崇民,戴宏哲, 2012/1/16, "以溶膠凝膠法製作二氧化鋯-矽膠複合材料在 LED 封裝材料的應用", 第三十五屆高分子研究討會, 中原大學, 桃園, 台灣.
8. 黃庭章,鄞暉恩,邱文英, 2012/1/16, "使用水熱法製備 PEDOT:PSS/ZnO nanorod 疏水性導電薄膜", 第三十五屆高分子研究討會, 中原大學, 桃園, 台灣.
9. 郭志宇,李佳芬,邱文英, 2012/1/16, "新型 living block copolymer 之合成及自組裝微胞型態之研究", 第三十五屆高分子研究討會, 中原大學, 桃園, 台灣.
10. 黃識儒,李佳芬,邱文英, 2012/1/16, "Thermal-Responsive Magnetic Polymer Composite Nanofibers", 第三十五屆高分子研究討會, 中原大學, 桃園, 台灣.
11. 高士傑,邱文英,李佳芬,朱俊勳, 2012/1/16, "溫感型高分子與導電材料的混摻在電紡絲上的應用", 第三十五屆高分子研究討會, 中原大學, 桃園, 台灣.
12. 王晨帆,黃致豪,董崇民,邱文英, 2011/6, "以環境敏感型高分子: 幾丁聚醣、聚(氮-異丙基丙烯醯胺)製備奈米顆粒進行藥物釋放的研究" 2011 台灣幾丁質幾丁聚醣學會年會暨研討會, 大葉大學, 彰化台灣。(NSC 99-2221-E-002-019-MY3)
13. 王晨帆,黃致豪,董崇民,邱文英, "以環境敏感型高分子: 幾丁聚醣、聚(氮-異丙基丙烯醯胺)製備奈米顆粒進行藥物釋放的研究", 2011 台灣幾丁質幾丁聚醣學會年會暨研討會, 大葉大學, 台灣彰化。(NSC 99-2221-E-002-019-MY3) (2011/6)
14. 鄞暉恩,吳杰翰,邱文英,李佳芬,李念庭,陳霽璟, "高透明導電樹脂材料研究", 第三十四屆高分子研究討會, 逢甲大學, 台中台灣。(2011/1)
15. 劉虹薇,邱文英,王立義, "Influence of the alkylbenzyl group of methanofullerenes on the performance of polymer solar cells", 第三十四屆高分子研究討會, 逢甲大學, 台灣台中。(2011/1)
16. 郭凱翔,邱文英,李佳芬, "具韌性之 PEDOT:P(SSNa-BA)導電共聚物合成及性質研究", 第三十四屆高分子研究討會, 逢甲大學, 台灣台中。(99-2221-E-002-018-MY3) (2011/1)
17. 李佳芬,邱文英,王于誠, "標的導向型磁性免疫中空藥物載體之合成及其實際應用之研究", 第三十四屆高分子研究討會, 逢甲大學, 台灣台中。(98-2221-E-041-001) (2011/1)

18. 王晨帆，黃致豪，董崇民，**邱文英**，“以環境敏感型高分子製備奈米顆粒進行藥物釋放的研究”，第三十四屆高分子研究討會，逢甲大學，台灣台中。(99-2221-E-002-019-MY3) (2011/1)
19. 吳杰翰，董崇民，**邱文英**，“以 Pickering 乳化聚合法合成 PEDOT/PS-PBA 導電複合顆粒及薄膜”，第三十四屆高分子研究討會，逢甲大學，台灣台中。(2011/1)
20. 白修璋，李佳芬，**邱文英**，“具溫度感應性質之 PEDOT:PSS/NIPAAm 透明導電薄膜合成及性質研究”，第三十四屆高分子研究討會，逢甲大學，台灣台中。(99-2221-E-002-018-MY3) (2011/1)
21. 雷以安，董崇民，**邱文英**，戴宏哲，2011/1，“聚苯胺/Nafion117 複合膜合成與性質研究”，第三十四屆高分子研究討會，逢甲大學，台灣台中。(2011/1)
22. 周奕辰，**邱文英**，2011/1，“Preparation of ZnO/Living Block Copolymer Latex Nanoparticles via Pickering Emulsion Polymerization”，第三十四屆高分子研究討會，逢甲大學，台灣台中。(2011/1)
23. 黃識儒，王于誠，李佳芬，**邱文英**，2011/1，“磁性奈米顆粒與溫度敏感型嵌段高分子複合物之製備與性質探討”，第三十四屆高分子研究討會，逢甲大學，台灣台中。(2011/1)
24. 莊文如，**邱文英**，“以電紡技術製備環境敏感型高分子奈米纖維與其性質研究”，第三十四屆高分子研究討會，逢甲大學，台灣台中。(2011/1)
25. 吳杰翰，黃雅君，董崇民，**邱文英**，“高懸浮性 PEDOT 奈米乳膠顆粒之製備與單體轉化率之鑑定”，第三十三屆高分子研究討會，高雄大學，台灣高雄。(2010/1)
26. 莊仲揚，董崇民，**邱文英**，“微多孔型幾丁聚醣奈米顆粒合成與環境應答性質研究”，第三十三屆高分子研究討會，高雄大學，台灣高雄。(2010/1)
27. 周奕辰、李佳芬、**邱文英**，“結合活性自由基聚合與迷你乳化聚合反應及無機奈米顆粒分散技術合成有機無機混成奈米複合乳膠”第三十三屆高分子研究討會，高雄大學，台灣高雄。(96-2221-E-002-142-MY3) (2010/1)
28. Meng-Kai Su, Wen-Yen Chiu, Lee-Yih Wang, Pei-Chen Huang, Jhih-Gang Luo, Yi-Chiang Huang, Ko-Shan Ho, Yu-Kai Han, 2010/1, “Properties of Water Soluble PEDOT Nanoparticles”, 2010 Annual Meeting of the Polymer Society, Kaohsiung University, Kaohsiung, Taiwan. (2010/1)
29. 寇柏年，**邱文英**，“PEDOT-co-PTAA/ZnO 複合透明導電薄膜製備與應用於酸鹼緩衝之研究”，第三十三屆高分子研究討會，高雄大學，台灣高雄。(2010/1)
30. 鄞暉恩，**邱文英**，“具交聯性質之 PEDOT:P(SS-HMA)導電共聚物合成及性質研究”，第三十三屆高分子研究討會，高雄大學，台灣高雄。(2010/1)

31. 黃雅君, 吳杰翰, 董崇民, **邱文英**, “具酸鹼緩衝與抗靜電功能之 PEDOT / PET 及 PEDOT / PU 奈米複合材料之製備”, 第三十三屆高分子研究討論會, 高雄大學, 台灣高雄。(佳作) (2010/1)
32. 鍾秉憲, **邱文英**, “以苯磺酸改質之石墨烯為基材合成導電高分子 PEDOT 及其性質研究”, 第三十三屆高分子研究討論會, 高雄大學, 台灣高雄。(2010/1)
33. I-Chen Chou, **Wen-Yen Chiu**, “Preparation of ZnO/Living Block Copolymer Latex Nanoparticles via Pickering Emulsion Polymerization” 2010 第七屆亞澳複合材料會議, 臺北台灣。(96-2221-E-002-142-MY3) (2010/11)
34. Chieh-Han Wu, Trong-Ming Don, and **Wen-Yen Chiu**, “Conductive Latex Particles Synthesized via Pickering Emulsion Polymerization Using Conductive Polymer Poly (3, 4 – ethylenedioxythiophene) (PEDOT) as Stabilizer”, The 13th Asia Pacific Confederation of Chemical Engineering Congress, Taipei, Taiwan. (2010/10)
35. 鄞暉恩, 張騰, **邱文英**, “具寬頻性紅外光吸收之高分子材料研究”, 第三十二屆高分子研討會, 大同大學, 台灣台北(2009)
36. 林玫伶, 簡正安, 李佳芬, **邱文英**, “標的導向型磁性免疫中空藥物載體之製備與研究”, 第三十二屆高分子研討會, 大同大學, 台灣台北(2009)
37. 王晨綱, 董崇民, **邱文英**, “褐藻酸鈉/幾丁聚醣包覆乳酸菌效能研究”, 第三十二屆高分子研討會, 大同大學, 台灣台北(2009)
38. 吳杰翰、李佳芬、**邱文英**, “以 Pickering 乳化聚合法合成 PEDOT/ZnO 奈米複合顆粒”, 第三十二屆高分子研討會, 大同大學, 台灣台北 (95-EC-17-A-08-S1-015) (2009)
39. 莊仲揚, 董崇民, **邱文英**, “幾丁聚醣-聚丙烯酸奈米顆粒合成與 pH 緩衝性質研究”, 第三十二屆高分子研討會, 大同大學, 台灣台北(2009)
40. 羅盈達, 周奕辰, **邱文英**, “以 DPE 控制活性自由基聚合並製備活性高分子及其團聯共聚物”, 第三十二屆高分子研討會, 大同大學, 台灣台北(2009)
41. 莊仲揚, 董崇民, **邱文英**, “以自我組裝法合成幾丁聚醣/聚(氮-異丙基丙烯醯胺)奈米顆粒”, 2009 台灣幾丁質幾丁聚醣研討會, 長庚大學, 台灣桃園 (2009/7)
42. Chung-Yang Chuang, Trong-Ming Don, **Wen-Yen Chiu**, “Preparation of Chitosan-Based Porous Nanoparticles By Temperature-Dependent Self-Assembly Method”, 2009 Taiwan-Japan Bilateral Polymer Symposium, National Taiwan University, Taipei, Taiwan. (2009/5)
43. Chung-Yang Chuang, Trong-Ming Don, **Wen-Yen Chiu**, “Preparation of Environmentally Responsive Porous Nanoparticles Based on Chitosan by the Temperature-Dependent Self-Assembly”, 2009, 11th International Conference on Chitin and Chitosan, National Taiwan University Science and Technology, Taipei, Taiwan. (2009/9)

44. 莊仲揚, 董崇民, **邱文英**, “幾丁聚醣/聚丙烯酸奈米顆粒合成與性質研究” 第三十一屆高分子研討會, 交通大學, 台灣新竹(2008)
45. 郭國輝, 彭郁翔, **邱文英**, 董崇民, “新型光可交聯碳黑分散劑之合成與高濃度穩定懸浮碳黑分散液的製備”, 第三十一屆高分子研討會, 交通大學, 台灣新竹(2008)
46. 羅盈達, 戴子安, **邱文英**, “聚(丙烯酸-丙烯酸鈉)共聚乳膠顆粒之反相迷你乳化聚合-成核機制與酸鹼緩衝劑之應用”, 第三十一屆高分子研討會, 交通大學, 台灣新竹 (95-EC-17-A-08-S1-015) (2008)
47. 陳瑞宏, 戴子安, **邱文英**, “Synthesis of Highly Conductive EDOT Copolymer Films via Oxidative Chemical In-Situ Polymerization”, 第三十一屆高分子研討會, 交通大學, 台灣新竹(92-EC-17-A-08-S1-0015) (2008)
48. 吳杰翰, **邱文英**, “溶劑等因素影響乳化聚合法合成 PEDOT 之動力學研究” 第三十一屆高分子研討會, 交通大學, 台灣新竹(92-EC-17-A-08-S1-0015) (2008)
49. 李佳芬, **邱文英**, 簡正安, “標的導向型磁性免疫藥物載體之合成及其實際應用之研究”, 第三十一屆高分子研討會, 交通大學, 台灣新竹(2008)
50. 謝閔琪, **邱文英**, “具酸鹼緩衝性質之 ZnO/PEDOT 複合薄膜”, 第三十一屆高分子研討會, 交通大學, 台灣新竹(95-EC-17-A-08-S1-015) (2008)
51. 莊仲揚, 董崇民, **邱文英**, “幾丁聚醣-聚丙烯酸中空顆粒合成與性質研究” 2008 台灣幾丁聚醣研討會, 成功大學, 台灣台南(2008)

Patents

1. 謝國煌, **邱文英**, 董崇民, 彭郁翔, 郭國輝, 2012/2/21~2027/7/19, “高分子型顏料分散劑及其形成方法”, 中華民國, 發明專利第 I358320 號 (Taiwan, R.O.C)
2. 謝國煌, 梁文傑, 林金福, **邱文英**, 陳文章, 王立義, 廖文彬, 戴子安, 林唯芳, 張宏鈞, 王宏仁, 郭昭輝, 李其欣, 黃俊銘, 施振遠, 2011/2/1~2024/10/07, “自合成導電或共軛高分子薄膜之形成方法及其應用” 中華民國, 發明專利第 I336726 號 (Taiwan, R.O.C) .
3. 王立義, 林怡君, **邱文英**, 林唯芳, 2011/4/11~2027/5/28 “具有奈米結構之太陽能電池及其製備方法” 中華民國, 發明專利第 I340488 號 (Taiwan, R.O.C)
4. Hung Yu-Chun; Wei Chi-Shu; Chiu Lien-Hua; **Chiu Wen-Yen**; Wen Chia-Jen; 2010/07/15; “Hydrogel Microparticle Composition, Application Thereof and Method for Preparing the Same”, US Patent: 20100178345
5. Kuo-Huang Hsieh, Man-Kit Leung, King-Fu Lin, **Wen-Yen Chiu**, Wen-Chang Chen, Leeyih Wang, Wen-Bin Liau, Chi-An Dai, Wei-Fang Lin, Hung-Chun Chang, Hung-Ren Wang, Chao-Hui Kuo, Chi-Shin Lee, Jun-Ming Huang, Shih, Cheng-Yuan, 2009/5/26, “Method for Forming Self-synthesizing Conductive or Conjugated Polymer Film”, U.S. Patent No7,537,884.

6. 謝國煌, 邱文英, 陳兆勛, 陳文章, 戴子安, 李其欣, 王宏仁,
2008/08/01~024/10/07, “導電或共軛高分子薄膜之形成方法”, 中華民國, 發明
專利第 I299339 號 (Taiwan, R.O.C) .