

基本資料

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專長

專長 專長

- 1 纖維材料 Fibrous material
- 2 高分子及纖維物理 Polymer and fiber physics
- 3 纖維複合材料 Fiber reinforced composite material
- 4 策略管理 Strategy management

學歷

學歷 畢業學校 主修學門系所 學位 時間(起) 時間(迄)

- 1 英國里茲大學 紡織工業系 博士 1986-10 1989-12
- 2 逢甲大學 紡織工程研究所 碩士 1980-09 1983-02
- 3 逢甲大學 紡織工程學系 學士 1973-09 1977-06

發表期刊論文

- 1 Tien-Wei Shyr*, Jing-Wen Shie, Chang-Han Jiang, Jung-Jen Li, "A textile-based wearable sensing device designed for monitoring the flexion angle of elbow and knee movements," *Sensors* , 14/3 , 2014-02. (SCI)
- 2 Yu-Ling Lai, Hung-Pang Feng, Ching-Yeh Tung, Tzu-Ming Wu, Tien-Wei Shyr*, "Crystallization behavior of polyamide 6 prepared form a phenol/dichloroethane mixed solvent," *Advanced Materials Research* , 834-836 , 2014-01. (EI)
- 3 Tzu-Ming Wu, Chien-Jen Chen, Yu-Ling Lai, Tien-Wei Shyr*, "Thermal degradation of PA6 film prepared form a phenol/dichloroethane mixed solution," *Advanced Materials Research* , 834-836 , 2014-01. (EI)
- 4 Chia-Hsin Tung, Tien-Wei Shyr*, "Crystallization regimes and spherulitic morphology of poly(trimethylene terephthalate/isophthalate) random copolyesters," *Advanced Materials Research* , 834-836 , 2014-01. (EI)
- 5 Shun-Tung Yang, Weng-Sing Hwang*, Tien-Wei Shyr, "Reverse transformation from α' to γ in lightly and heavily cold-drawn austenitic stainless steel fibers," *Metals and Materials International* , 19/6 , 2013-11. (SCI)
- 6 Qingsheng Liu, Meifang Zhu, Bingyao Deng, Chia-Hsin Tung, Tien-Wei Shyr*, "Evolution of concentric spherulites in crystalline-crystalline poly(3-hydroxybutyrate-co-3-hydroxyvalerate)-b-poly (ethylene glycol) copolymers," *European Polymer Journal* , 49/12 , 2013-09. (SCI)
- 7 Tien-Wei Shyr*, Chia-Hsin Tung, Wen-Sheng Cheng, Cheng-Che Yang, "The crystallization rate and morphological structure of poly(ethylene/trimethylene terephthalate) copolyesters under isothermal melt-crystallization and cold-crystallization," *Journal of Polymer Research* , 20(186) , 2013-06. (SCI)

- 8 董佳欣、吳梓銘、賴玉玲、石天威*, "Poly(ethylene/trimethylene terephthalate) 共聚酯結晶動力學與結晶形態的探討," Accepted by 紡織綜合研究期刊 , 2013-05.
- 9 曾偉傑、吳梓銘、楊榮、石天威*, "聚對苯二甲酸乙二酯/聚對苯二甲酸丙二酯 摻合體熱裂解行為之探討," 紡織綜合研究期刊 , 23/3 , 2013-03.
- 10 Shun-Tung Yang, Tien-Wei Shyr, Weng-Sing Hwang, Cheng-Nan Ko, "Thermomagnetic characterization in AISI 316L austenitic stainless steel fibers with various true strains," Journal of Magnetism and Magnetic Materials , 330 , 2013-03. (SCI)
- 11 Wei-Cheng Chu, Chin-Pan Huang, Tien-Wei Shyr*, Li-Chou Chen, Shu-Ping Chiu, "Design and evaluation of spinneret module with line-type and multi-holes of electro-spun," Applied Mechanics and Materials , 331, pp.243-248 , 2013-02. (EI)
- 12 Tien-Wei Shyr*, Jun Yang, Chun-Chieh Hu, Jian-Ren Wang, Chia-Hsin Tung, "Crystallization and melt behaviors of polylactic acid/thermoplastic polyurethane blends," Advanced Materials Research , 627 , 2013-01. (EI)
- 13 Shun-Tung Yang, Tien-Wei Shyr, Weng-Sing Hwang*, Cheng-Nan Ko,, "Thermomagnetic characterization in AISI 316L austenitic stainless steel fibers with various true strains," Journal of Magnetism and Magnetic Materials , 330 , 2012-10. (SCI)
- 14 Tien-Wei Shyr*, Jing-Wen Shie, "Electromagnetic shielding mechanisms using soft magnetic stainless steel fiber enabled polyester textiles," Journal of Magnetism and Magnetic Materials , 324/23 , 2012-07. (SCI)
- 15 Qingsheng Liu*, Tien-Wei Shyr, Chia-Hsin Tung, Zhanhua Liu, Guifang Shan, Meifang Zhu, Bingyao Deng, "Particular thermal properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) oligomers," Journal of Polymer Research , 19/1,pp.9756-9764 , 2012-06. (SCI)
- 16 Tien-Wei Shyr*, Chia-Hsin Tung, Yan-Ting Liu, "Non-isothermal crystallization behavior of poly(trimethylene terephthalate-co-isophthalate) copolyesters," Advanced Materials Research , 535-537,pp.1413-1416 , 2012-06. (EI)
- 17 Shun-Tung Yang, Weng-Sing Hwang*, Tien-Wei Shyr, I-Lin Cheng, "Evolution of magnetic phase at low aging temperature in a heavily cold-drawn stainless steel fiber," Journal of Magnetism and Magnetic Materials , 324/15, pp.2388-2391 , 2012-03. (SCI)
- 18 Tien-Wei Shyr*, Chia-Hsin Tung, Wen-Sheng Cheng, Shi-Dong Jiang, Shou-Ke Yan*, Zhi-Hua Gan, "The conformational changes, crystal structure and melting behavior of poly(ethylene/trimethylene terephthalate) copolyesters," Polymer International , 61/5, pp.780-787 , 2012-01. (SCI)
- 19 石天威、謝靜玟、莊宴爾, "Lycra 彈性導電織帶結構對接觸電組之影響," 紡織綜合研究期刊 , 21/4,pp.32~3 , 2012-01.
- 20 Qingsheng Liu, Bingyao Deng, Meifang Zhu, Tien-wei Shyr, and Guifang Shan, "Nonisothermal Crystallization Kinetics of Poly(ϵ -caprolactone)/Zinc Oxide Nanocomposites with High Zinc Oxide," Journal of Macromolecular Science, Part B: Physics , 50, PP. 2366~2375 , 2011-11. (SCI)
- 21 石天威*、謝靜玟、莊宴爾, "黏彈與摩擦性質對 Lycra 彈性織帶力學遲滯現象之影響," 紡織綜合研究期刊 , 21/4, PP. 33~43 , 2011-10. (紡織綜合研究期)

- 22 Qingsheng Liu, Tien-Wei Shyr*, Chia-Hsin Tung, Meifang Zhu, Bingyao Deng, "Peculiar Spherulitic Morphologies and Melting Behavior of Block Copolymer Containing Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and Poly(ϵ -caprolactone) Units," *Macromolecular Research* , 19/12, PP. 1220~1223 , 2011-08. (SCI)
- 23 Qingsheng Liu, Tien-Wei Shyr, Chia-Hsin Tung, Bingyao Deng, and Meifang Zhu, "Block Copolymers Containing Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) and Poly (ϵ -caprolactone) Units: Synthesis, Characterization and Thermal Degradation," *Fibers and Polymers* , 12/7, PP. 848~856 , 2011-06. (SCI)
- 24 Shyr TW*, Lien CH, Lin AJ, "Coexisting antistatic and water-repellent properties of polyester fabric," *Textile Research Journal* , 81/3, PP. 254~263 , 2011-02. (SCI,EI)
- 25 Tien-Wei Shyr, Jing-Wen Shie and Yan-Er Jhuang, "The effect of tensile hysteresis and contact resistance on the performance of strain-resistant elastic-conductive webbing," *Sensor* , 11, PP. 1693~1705 , 2011-01. (SCI)
- 26 Qingsheng Liu, Bingyao Deng, Chia Hsin Tung, Meifang Zhu* and Tien-Wei Shyr*, "Nonisothermal crystallization kinetics of poly(ϵ -caprolactone) blocks in double crystalline triblock copolymers containing poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and poly(ϵ -caprolactone) units," *Journal of Polymer Science Part B: Polymer Physics* , 48/21, PP. 2288~2295 , 2010-09. (SCI)
- 27 Tien-Wei Shyr*, Jing-Wen Shie, Shih-Ju Huang, Shun-Tung Yang, Weng-Sing Hwang, "Phase transformation of 316L stainless steel from wire to fiber," *Materials Chemistry and Physics* , 122/1, PP. 273~277 , 2010-02. (SCI)
- 28 Hsi-Kai Tsou, Ping-Yen Hsieh, Chi-Jen Chung, Chih-Hsin Tang, Tien-Wei Shyr, Ju-Liang He, "Low-temperature deposition of anatase TiO₂ on medical grade polyetheretherketone to assist osseous integration," *Surface & Coatings Technology* , 204, PP. 1121~1125 , 2009-12. (SCI)
- 29 Tsai KH, Tsai MC, Wang PN, Shyr TW*, "New Approach to Directly Acquiring the Drape Contours of Various Fabrics," *FIBRES & TEXTILES IN EASTERN EUROPE* , 17/3, PP. 54~59 , 2009-09. (SCI)
- 30 Shyr*, Tien-Wei, Pin-Ning Wang, and Jer-Yan Lin, "Subjective and Objective Evaluation Methods to Determine the Peak-Trough Threshold of the Drape Fabric Node," *Textile Res. J.* , 79(13), PP. 1223~1234 , 2009-09. (SCI,JCR08,4/15,0.77)
- 31 Lin, Jer-Yan, Pin-Ning Wang, and Tien-Wei Shyr*, "Comparing and modeling the dynamic drape of four natural-fiber fabrics," *Textile Res. J.* , 78(10), PP. 911~921 , 2008-10. (SCI,07SCI, 3/15,0.70)
- 32 石天威、王冰凝、林哲彥, "織物動態懸垂係數之關鍵力學參數的模式建立," *紡織綜合研究期刊* , 18/2, PP. 28~34 , 2008-08.
- 33 石天威、王冰凝、林哲彥, "重組關鍵力學參數以建立棉織物懸垂係數之高預測能力的模式," *紡織綜合研究期刊* , 18/3, PP. 1~7 , 2008-08.
- 34 T W Shyr, P N Wang and K B Cheng, "A comparison of the key parameters affecting dynamic and static drape coefficients of natural-fiber woven fabrics by a newly devised dynamic drape automatic measuring system," *Fibres & Textiles in Eastern Europe* , 15(3), PP. 81~86 , 2007-08. (SCI)
- 35 石天威、羅志明, "Poly(Ethylene/Butylene Terephthalate)共聚酯玻璃轉位溫度與非等溫結晶行為之探討," *紡織綜合研究期刊* , 17(3), PP. 17~23 , 2007-07.

- 36 Weilin Xu, Teinwei Shyr, and Mu Yao, "Textiles' Properties in the Infrared Irradiation," *Textile Research Journal* , 77, PP. 513~519 , 2007-07. (SCI)
- 37 Tien-Wei Shyr, Chin-ming Lo, Sheng-Rong Ye, Jie Jian, "Sequence Distribution and Crystal Structure of Poly(ethylene/butylene terephthalate) Copolyesters Compared With Poly(ethylene/trimethylene terephthalate) Copolyesters," *Journal of Polymer Science, Part B: Polymer Physics* , 45, PP. 405~419 , 2007-01. (SCI)
- 38 石天威、蔡昆協、鄭國彬、王冰凝、蔡明錦, "以直接影像法建立織物客觀往復動態形態之關鍵物," *工程科技通訊* , Vol.89/No.12, PP. 39~44 , 2006-08.
- 39 石天威、羅志明、陳宏隆, "二氧化鈦對聚對苯二甲酸丁二酯結晶與熱裂解行為之影響," *紡織綜合研究期刊* , Vol.16, No.3, PP. 25~31 , 2006-07.
- 40 Tein-Wei Shyr, Chin-Ming Lo, Sheng-Rong Ye, "Sequence distribution and crystal structure of Poly(ethylene/trimethylene terephthalate) copolyesters," *Polymer* , 46, PP. 5284~5298 , 2005-06. (SCI)
- 41 Tien-Wei Shyr*, Sang-Song Lai, and Jer-Yan Lin, "New Approaches to Establishing Translation Equations for the Total Hand Value of Fabric.," *Textile Research J.* , 74(6), PP. 528~534 , 2004-06. (SCI,2004JCR,7/15,0.5)
- 42 Tien-Wei Shyr and Yu-Hao Pan, "Low velocity impact responses of hollow core sandwich laminate and interply hybrid laminate," *Composite Structures* , 64/2, PP. 189~198 , 2004-05. (SCI)
- 43 Tien-Wei Shyr, Jer-Yan Lin* and Sang-Song Lai, "Approaches to Discriminate the Characteristic Generic Hand of Fabrics," *Textile Research J.* , 74(4), PP. 354~358 , 2004-04. (SCI,2004JCR,7/15,0.5)
- 44 石天威、潘毓豪, "中空三明治結構的玻璃纖維織物複合材料之低速衝擊破壞機構的探討," *中華民國紡織工程學會誌* , 21/1, PP. 47~67 , 2003-08.
- 45 Tien-Wei Shyr and Yu-Hao Pan, "Impact resistance and damage characteristic of composite laminates," *Composite Structures* , 62/2, PP. 193~203 , 2003-02. (SCI)
- 46 Weilin Xu, Tien-Wei Shyr, "Application of a Nonformaldehyde Crosslinking Agent to Improve Washing Durability of Fabric Water Repellency," *Textile Res. J.* , Vol. 71/ No. 9, PP. 751~754 , 2001-09. (SCI)
- 47 石天威, 羅志明, "芳香族聚醯胺共聚合體熔融行為與形態之觀察," *中華民國紡織工程學會誌* , 19/1, PP. 13~22 , 2001-08.
- 48 徐衛林, 張保國, 石天威, 曹俊周, 姚穆, "紡織纖維集合體與紅外輻射," *西北紡織工學院學院報* , 15/2 , 2001-08.
- 49 張保國, 徐衛林, 石天威, 姚穆, "織物紅外反射性能輻射," *西北紡織工學院學院報* , 15/2 , 2001-08.
- 50 石天威, 曾靖惠, "對苯二甲酸/乙二醇/1,3 丙二醇共聚合體在非等溫條件下結晶與裂解之探討," *中華民國紡織工程學會誌* , Vol. 18/ No. 2, PP. 73~84 , 2000-08.
- 51 Wei-Lin Xu and Tien-Wei Shyr, "Durable Press Finishing of Cotton Fabrics by Polycarboxylic Acids after Copolymerization by Hydroxyethyl Methacrylate," *Textile Res. J.* , Vol. 70/ No. 1, PP. 8~10 , 2000-01. (SCI)
- 52 H.H.Wang, T.W.Shyr, and M.S.Hu, "The Elastic Property of Polyvinyl Alcohol Gel with Boric Acid as a Crosslinking Agent," *Journal of Applied Polymer Science* , 74, PP. 3406~3052 , 1999-08. (SCI)
- 53 H.H.Wang, T.W.Shyr, and M.S.Hu, "Thermal and Rheological Properties of Poly(vinyl

- alcohol) Gel with Boric Acid as a Crosslinking Agent," J. of Applied Polymer Science , Vol. 73, PP. 2219~2226 , 1999-08. (SCI)
- 54 石天威、徐衛林, "導電性聚苯胺處理紡織品之研究," 紡織中心期刊 , 第 9 卷 / 第 1 期, PP. 57~66 , 1999-08.
- 55 石天威、潘毓豪, "多軸多經編織物和非織物強化不飽和聚酯基層板受非穿透性衝擊破壞之觀察," 中華民國紡織工程學會誌 , No.第 1 卷/第 17 期, PP. 39~51 , 1999-08.
- 56 汪輝雄、石天威、胡美山, "聚乙烯醇之凝膠化及其形態," 中華民國紡織工程學會誌 , 第 2 卷/第 16 期, PP. 19~30 , 1998-08.
- 57 石天威, 歐陽中, "多經多軸經編織物強化不飽和聚酯在低速低衝擊能測試之破壞觀察," 中華民國尖端材料科技協會會訊 , 17, PP. 54~63 , 1998-08.
- 58 徐衛林, 張保國, 姚穆, 石天威, "紅外光線對紡織材料透射性能的研究," 紡織學報 , 17/4, PP. 213~215 , 1996-08.
- 59 楊順通, 石天威, "棉針織物濕熱傳導及穿著舒適性之探討," 紡織中心期刊 , 15/6, PP. 454~459 , 1995-08.
- 60 石天威, "纖維/熱塑性樹脂界面性質," 強化塑膠 , 64, PP. 6~17 , 1995-08.
- 61 林紀宏, 石天威, "前處理工程添加柔軟劑對織物性質之影響," 紡織中心期刊 , 5/5, PP. 354~358 , 1995-08.

會議論文

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- 1 Shih-Ju Huang, Tien-Wei Shyr*, "Formation of σ -phase in 316L Stainless Steel Fiber Using a Multi-pass Cold Drawing Process," 2011 The World Congress on Engineering and Technology , 2011-10. 中國上海.
- 2 Tien-Wei Shyr*, Shih-Ju Huang, "Variation of Microstrain of 316L Stainless Steel Fiber during a cold drawing process," 2011 中國紡織學術年會 , 642-644 , 2011-10. 中國上海.
- 3 楊榮、李淑雅、李昭賢、董佳欣、石天威, "熱塑性聚氨酯/聚乳酸摻合體結晶行為與結晶形態之研究," 第二十七屆纖維紡織科技研討會 , 2011-08. 南亞技術學院.
- 4 王健任、胡俊傑、黃至全、許人哲、董佳欣、石天威, "聚乳酸/熱塑性聚氨酯摻合體結晶行為與動力學之探討," 第二十七屆纖維紡織科技研討會 , 2011-05. 南亞技術學院.
- 5 胡宛婷、李淑雅、鍾宛芷、董佳欣、石天威, "1,3-丙二醇/對苯二甲酸/聚乙二醇共聚酯等溫結晶行為與結晶形態之探討," 第二十七屆纖維紡織科技研討會 , 2011-05. 南亞技術學院.
- 6 許家瑜、林庭安、韓修齊、王修鈴、江長翰、謝靜玟、石天威, "不鏽鋼與鍍碳導電織帶之結構參數對接觸電阻之探討," 第二十七屆纖維紡織科技研討會 , 2011-05. 南亞技術學院.
- 7 石天威、謝靜玟、黃詩茹, "不鏽鋼纖維晶相結構對電磁遮蔽機制之影響," 2011 年第四屆兩岸紡織科技研討會 , 2011-05. 台南應用科技大學.
- 8 石天威、謝靜玟、李忠真、江長翰, "彈性織帶力學遲滯之探討," 第三十四屆高分子學術研討會暨前瞻功能性高分子材料國際學術研討會 , 2011-01. 逢甲大學.
- 9 石天威、董佳欣、鄭文笙, "乙二醇/1,3-丙二醇/對苯二甲酸二甲酯共聚酯等溫結

晶過程組型變化及結晶?為," 第三十四屆高分子學術研討會暨前瞻功能性高分子材料國際學術研討會 , 2011-01. 逢甲大學.

10 鍾宛芷、李昭賢、李淑雅、董佳欣、石天威, "間苯二甲酸 / 對苯二甲酸丙二酯共聚酯等溫結晶行為與結晶形態之探討," 第 58 屆紡織年會 , 2010-12. 逢甲大學.

11 石天威、董佳欣、黃至全、許人哲、錢建豪, "聚對苯二甲酸丙二酯-聚乙二醇嵌段共聚酯結晶行為與熱穩定性之探討," 第 58 屆紡織年會 , 2010-12. 逢甲大學.

12 謝靜玟、石天威, "316L 不鏽鋼纖維晶體結構與矯頑磁力之關係," 2010 年中國材料科學學會年會 , 2010-11. 義守大學.

13 Shyr Tien-Wei、Huang Shih-Ju, "Quantitative analysis of Textural 316L Stainless Steel Fiber by Rietveld Method," 2010 年中國材料科學學會年會 , 2010-11. 義守大學.

14 Tien-Wie Shyr, Wen-Sheng Cheng, Chia-Hsing Tung, "Isothermal melt- and cold-crystallization behaviors of poly(ethylene/trimethylene terephthalate) copolyesters," Fifth International Symposia on Engineering Plastics , 2010-08. Kunming, China.

15 Tien-Wei Shyr, Shou-Ke Yan, "Crystalline structure of random poly(ethylene/trimethylene terephthalate) copolyester under isothermal crystallization conditions," Fourth international symposium on engineering plastics , 10 , 2009-08. Dalian.

16 1. Huang Shih-Ju and Shyr Tien-Wei, "Crystalline Phases of 316L Stainless Steel from Wire to Fiber," The 10th Asia Textile Conference , 10 , 2009-08. Ueda, Nagano, Japan.

17 石天威, 林哲彥, 王冰凝, "織物動態懸垂性之數學模式與轉譯公式之建立與評估," 高分子學會年會 , 2009-08. 大同大學.

18 石天威, "生理量測智慧衣之發展," 第一屆兩岸紡織科技研討會 , 2009-08. 淡江大學.

19 江長翰、陳敬中、江明哲、李忠真、謝靜玟、石天威, "不同量測條件下鍍碳導電彈性織帶之彎曲-電阻關係的探討," 第二十六屆纖維紡織科技研討會 , 2009-08. 嶺東科技大學.

20 20. 江長翰、沈宗毅、商明德、李忠真、謝靜玟、石天威, "濕潤條件對鍍碳導電彈性織帶之拉伸-電阻關係的探討," 第二十六屆纖維紡織科技研討會 , 2009-08. 嶺東科技大學.

21 21. 許人哲、錢建豪、黃至全、董佳欣、石天威, "聚對苯二甲酸丙二酯-聚乙二醇嵌段共聚酯結晶與裂解行為之探討," 第二十六屆纖維紡織科技研討會 , 2009-08. 嶺東科技大學.

22 22. 李昭賢、李淑雅、鍾宛芷、董佳欣、石天威, "1,3-丙二醇/對苯二甲酸/間苯二甲酸共聚酯等溫結晶行為與結晶形態之探討," 第二十六屆纖維紡織科技研討會 , 2009-08. 嶺東科技大學.

23 23. 石天威、謝靜玟、黃詩茹, "不銹鋼纖維於延伸過程中晶相結構變化之探討," 中華民國高分子學會年會 , 2009-08. 高雄大學.

24 C.M.Wu, J.W.Jiang, C.H.Chiu, and J.C.Chen, "Morphological Study of pCBT And its Carbon Fiber-Reinforced Composites," The 17th International Conference on Composite Materials , 2009-07. Edinburgh, UK.

25 Tien-Wei Shyr , Chia-Hsing Tung, "Structures of poly(ethylene/butylene terephthalate) copolyesters under isothermal crystallization conditions," The 86th Textile Institute World Conference , 10 , 2008-08. Hong Kong.

- 26 石天威、王冰凝、林哲彥, "天然纖維織物動態懸垂特性分析," 第三十屆高分子研討會 , 1, 2008-08. 交通大學, 新竹.
- 27 石天威、董佳欣、廖希翎、陸玟伶、陳建彰、黃至全, "成核劑對聚乳酸結晶與熱裂解行為之探討," 第二十五屆纖維紡織科技研討會 , 13, 2008-08. 中國文化大學, 台北.
- 28 石天威、謝靜玟、黃詩如、李忠真、江長翰、林佑澤, "不銹鋼紗/Lycra 織帶對伸長率和應變速率於拉伸-電阻值之探討," 第二十五屆纖維紡織科技研討會 , 25, 2008-08. 中國文化大學, 台北.
- 29 Tien-Wei Shyr, Chia-Hsing Tung, Chin-Ming Lo, "Intracrystalline defect on the poly(ethylene/trimethylene terephthalate) copolyesters," 3rd international symposium on engineering plastics , 1 , 2007-08. Xinjiang.
- 30 石天威、董佳欣、鄭文笙、廖希翎、陸玟伶, "乙二醇/1,4-丁二醇/對苯二甲酸二甲酯共聚酯等溫結晶行為與結晶形態之探討," 第二十四屆纖維紡織科技研討會 , 14, 2007-08. 實踐大學, 高雄.
- 31 石天威、董佳欣、劉彥廷、王嫻芳, "聚丙烯/聚乳酸摻合體之結晶與熱裂解行為," 第二十四屆纖維紡織科技研討會 , 14, 2007-08. 實踐大學, 高雄.
- 32 石天威、謝靜玟、莊宴爾、蕭弘志, "不銹鋼長纖維/Lycra 編織結構對力學遲滯的探討," 第二十四屆纖維紡織科技研討會 , 10, 2007-08. 實踐大學, 高雄.
- 33 石天威、謝靜玟、莊宴爾、黃詩茹、曾鴻志、蔡佩璇, "不銹鋼混紡紗、聚酯紗和含碳包繞紗混織針織物之電阻與拉伸-電阻變化," 第二十四屆纖維紡織科技研討會 , 9, 2007-08. 實踐大學, 高雄.
- 34 石天威、謝靜玟、莊宴爾、黃詩茹、李忠真, "不銹鋼長纖維/Lycra 織帶結構對拉伸-電阻之探討," 第二十四屆纖維紡織科技研討會 , 11, 2007-08. 實踐大學, 高雄.
- 35 石天威, "利用目標吸引平均主動輪廓模型尋找織物懸垂輪廓," 第二十三屆纖維紡織科技研討會 , Bp06-251, 2007-05. 樹德科技大學.
- 36 Jer-Yan Lin, Tien-Wei Shyr, Pin-Ning Wang, "Curve Regression Analyses of Fabric Drape Coefficient at Rotating Speed," 95 年統計學會學術研討會 , p.86 , 2006-11. 台中: 逢甲大學.
- 37 J.W. Shie, T.W. Shyr, "The reflection, transmission, and absorption of electromagnetic waves in stainless steel/polyester fabrics," The 9th Asian textile Conference , A02-35,O-24 , 2006-08. Taichuang, Taiwan (R.O.C.).
- 38 C. H. Lin , C. P. Huang , I. S. Tsai , T. W. Shyr , W. C. Chu, "A Study on the Industrialization of PEO Nano-fiber Film by Electro-spun Process," The 9th Asian textile Conference , A01-01,O-79 , 2006-08. Taichuang, Taiwan (R.O.C.).
- 39 莊宴爾、陳俞冀、黃詩茹、蔡智曉、石天威, "不銹鋼混紡紗混織針織物之製程條件對拉伸-電阻之影響," 第二十三屆纖維紡織科技研討會 , C-06 , 2006-08. 樹德科技大學.
- 40 莊宴爾、陳俞冀、黃詩茹、蔡智曉、石天威, "不銹鋼聚酯混紡紗與不同紗線混織針織物對拉伸-電阻之影響," 第二十三屆纖維紡織科技研討會 , C-03 , 2006-08. 樹德科技大學.
- 41 林愛菁, 董佳欣, 鄭文笙, 鄧之涵, 石天威, "1,3-丙二醇/對苯二甲酸/間苯二甲酸共聚酯非等溫結晶與裂解行為之探討," 第二十三屆纖維紡織科技研討會 , C-01 , 2006-08. 樹德科技大學.

- 42 C.C. Chiu, T.W. Shyr, H.C. Chu, Y.C. Chung and C.Y. Lan, "A Wearable e-Health System with Multi-functional Physiological Measurement," World congress on medical physics and biomedical engineering 2006 , vol. 14, pp. 419-422 , 2006-08. 韓國.
- 43 石天威、羅志明、董佳欣、楊美琳、陳威良, "陽離子可染性聚對苯二甲酸乙二酯/聚乙二醇共聚酯之非等溫結晶與裂解行為," 第二十二屆纖維紡織科技研討會 , paper ID CO-03 , 2006-05. 台中嶺東科技大學.
- 44 石天威、羅志明、董佳欣、林愛菁、林妙鮮, "陽離子可染性聚對苯二甲酸乙二酯/聚乙二醇共聚酯之等溫結晶行為之探討," 第二十二屆纖維紡織科技研討會 , paper ID CO-05 , 2006-05. 台中嶺東科技大學.
- 45 石天威、謝靜玟、陳俞冀、莊宴爾、林群信, "不鏽鋼/聚酯纖維混紡紗組成之網孔結構對電磁波遮蔽效應之探討," 第二十二屆纖維紡織科技研討會 , paper ID CO-09 , 2006-05. 台中嶺東科技大學.
- 46 石天威、羅志明、葉勝榮, "對苯二甲酯/乙二醇/1,3 丙二醇共聚酯之結晶行為," 第二十九屆高分子研討會論文集 , paper ID BP-A-05 , 2006-01. 高雄國立中山大學.
- 47 石天威、王冰凝、鄭國彬, "以直接影像法建立織物懸垂性之關鍵物理參數," 第二十九屆高分子研討會論文集 , paper ID GP-A-01 , 2006-01. 高雄國立中山大學.
- 48 石天威、鄭國彬、王心怡、王冰凝, "天然纖維織物的往復動態懸垂特性之研究," 第二十九屆高分子研討會論文集 , paper ID GP-B-02 , 2006-01. 高雄國立中山大學.
- 49 石天威、王杏如、葉勝榮, "1,3 丙二醇/對苯二甲酯/間苯二甲酯共聚酯的結晶行為," 第二十九屆高分子研討會論文集 , paper ID BO-2-1 , 2006-01. 高雄國立中山大學.
- 50 石天威、藍振晏、邱創乾、朱嘯秋, "可穿戴式多功能生理量測系統- e-textcare," 第一屆智慧生活科技研討會 , 576~578 , 2006 , 2006-01. 台北.
- 51 Tien-Wei Shyr and K B Cheng, P N Wang, "The Main Mechanical Properties of Dynamic Drapability of Pure Worsted Fabric," 2005 11th International Wool Research Conference, Univ. of Leeds, UK , 22 , 2005-09. Univ. of Leeds, UK.
- 52 Tien-Wei Shyr, "Crystal structure of Poly(ethylene/trimethylene terephthalate) copolyesters," 3rd International Conference on Advanced Fiber/ Textile Materials , 2005-08. Ueda, Japan.
- 53 Tien-Wei Shyr and K B Cheng, P N Wang, "The Main Mechanical Properties of Dynamic Drapability of Pure Worsted Fabric," 2005 11th International Wool Research Conference , 2005-08. Leeds, UK.
- 54 石天威、陳汝琦、謝靜玟、吳致彥, "不銹鋼/聚酯混紡紗拉伸與電阻關係之探討," 第二十一屆纖維紡織科技研討會 , paper ID C1-12 , 54 , 2005-05. 台南女子技術學院, 台南.
- 55 石天威、葉勝榮、王杏如、陳青逸、董佳欣, "不同比例的乙二醇/1,4-丁二醇對共聚酯等溫結晶與熔融行為之影響," 第二十一屆纖維紡織科技研討會 , paper ID C1-13 , 56 , 2005-05. 台南女子技術學院, 台南.
- 56 石天威, 鄭國彬, 王冰凝, "天然纖維織品動態懸垂性的族群辨識之研究," 第二十八屆高分子研討會 , paper ID G-P-II-018 , 2005-01. 清華大學, 新竹.
- 57 石天威、陳汝琦、蔡明錦、呂崇賓, "不銹鋼纖維/聚酯纖維混紡紗對梭織物電磁波屏蔽效應之探討," 第二十屆纖維紡織科技研討會 , paper ID B0-004 , 2004-05. 國立屏東科技大學.

- 58 石天威、陳汝琦、謝靜玟、林美君, "不銹鋼纖維/聚酯纖維混紡紗對梭織物電阻率之探討," 第二十屆纖維紡織科技研討會 , paper ID B0-005 , 2004-05. 國立屏東科技大學.
- 59 石天威、陳宏隆、葉勝榮, "微米級與奈米級二氧化鈦對聚對苯二甲酸丁二酯之結晶與熱裂解行為的影響," 第二十屆纖維紡織科技研討會 , paper ID C0-016 , 2004-05. 國立屏東科技大學.
- 60 石天威、郭怡君, "DMT/EG/1,4-BDO 共聚酯之結晶與熱性質," 第二十屆纖維紡織科技研討會 , paper ID C0-017 , 2004-05. 國立屏東科技大學.
- 61 1. Tien-Wei Shyr and C. M. Lo, H. L. Chen, "Crystallization Behaviors of Poly(Trimethylene Terephthalate)," The Textile Institute 83rd World Conference , Vol. 1, pp 117-120 , 2004-05. China.
- 62 石天威、鄭國彬、王冰凝、王心怡, "以 KES-FB 系統建立之物動靜態懸垂係數之關鍵參數," 第二十七屆高分子研討會 , F025 , 2004-02. 淡江大學.
- 63 石天威, 鄭國彬, 王冰凝, "天然纖維織物懸垂特性分類," 第十九屆纖維紡織科技研討會 , paper ID F001 , 2003-12. 南亞技術學院, 中壢.
- 64 Tien-Wei Shyr and Yu-Hao Pan, "Sub-perforating Impact Damage of MWK Laminate Composite," SAMPE International Symposium , 48/1,232-242 , 2003-08. Long Beach, US.
- 65 石天威、林永裕、林千愉, "TiO₂ 在 PET 聚合體之非等溫結晶行為之探討," 第二十屆纖維紡織科技研討會 , paper ID C0-015 , 2003-08. 國立屏東科技大學.
- 66 翁建發, 石天威, "台灣成衣產業全球產銷運籌管理系統之分析與建構," 產業電子化運籌管理學術暨實務研討會 , paper ID 109 , 2003-02. 逢甲大學, 台中.
- 67 石天威, 潘毓豪, "多軸經編織物積層板之低速衝擊破壞機構," 第二十六屆高分子研討會論文集 , paper ID G033 , 2003-01. 國立成功大學, 台南.
- 68 石天威, "以 FAST 系統參數對 KES 系統中織物總手感值之轉譯公式的建立," 第二十六屆高分子研討會論文集 , paper ID H007 , 2003-01. 國立成功大學, 台南.
- 69 胡美山, 汪輝雄, 石天威, "聚乙烯醇之凝膠化及其形態," 第二十六屆高分子研討會論文集 , paper ID D015 , 2003-01. 國立成功大學, 台南.
- 70 T. W. Shyr, C. M. Lo, and C. H. Yu,, "Crystalline Morphology of DMT/ 1,3-PDO/ EG Copolyesters," 第二屆分子物理研討會 , 2002-10. 國立台灣科技大學, 台北.
- 71 T. W. Shyr, "Crystallization Behavior of DMT/ EG/ 1,3-PDO," Dauge, Korea , p17, August , 2002-08. International Conference for Inauguration of SOTSEA.
- 72 石天威、葉勝榮、羅志明、游承翰, "對苯二甲酯/1,3 丙二醇/乙二醇共聚酯熱性質之研究," 第十八屆纖維紡織科技研討會論文集 , 19-20 , 2002-05. 南亞技術學院.
- 73 Pan Yu-Hao、 Shyr Tien-Wei, "Impact Energy Absorption of Nonwoven Mat Inlaid in Multiaxial Warp-Knitted Glass Fabric/UP Composite," The 6th Asian Textile Conference , paper ID 136 , 2001-08. 香港理工大學.
- 74 Shyr Tien-Wei、 Lo Chih-Ming, "Crystallization and Degradation Behaviors of Aromatic Polyamide copolymer," The 6th Asian Textile Conference , ID 339a , 2001-08. 香港理工大學.
- 75 Shyr Tien-Wei、 Tseng Ching-Hui, "Crystallization and Degradation Behaviors of Terephthalic Acid/Ethylene Glycol/1,3-Propanediol copol," The 6th Asian Textile Conference , paperID 339b , 2001-08. 香港理工大學.

- 76 Hu Mei-Shan、Wang H.H.、Shyr Tien-Wei, "The Gelation and Morphology of Polyvinyl Alcohol Gel," The 6th Asian Textile Conference , ID231 , 2001-08. 香港理工大學.
- 77 Tien-Wei Shyr and Chin-Ming Lo, "芳香族聚醯胺共聚合體之熱裂解行為," 第二十四屆高分子研討會 , 31-32 , 2001-01. 台灣科技大學.
- 78 石天威, 曾靖惠, "對苯二甲酸/乙二醇/1,3 丙二醇共聚合體等溫結晶動力學之探討," 第十七屆纖維科技研討會 , pp. 13-15 , 2001-01. 萬能技術學院, 桃園.
- 79 石天威, 羅志明, "芳香族聚醯胺共聚合體之結晶行為," 第十七屆纖維科技研討會 , pp17-19,2001 , 2001-01. 萬能技術學院, 桃園.
- 80 Shyr Tien-Wei and Huang Ya-Fen, "Effect of Sequence Length of Methylene unit on Thermal Behavior of Aromatic Polyesters," Asian International Symposium of Fibers and Textiles , p22-25 , 2000-10. Ueda, Japan, October 5th~6th.
- 81 黃雅芬、石天威, "次甲基鏈長對聚對苯二甲酸酯類裂解行為的影響," 第十六屆纖維紡織科技研討會 , A79~A80 , 2000-05. 亞東技術學院.
- 82 石天威、施中揚、賴顯松、楊承翰, "影像處理技術在縫縮量測上之應用," 第十五屆纖維紡織科技研討會 , pp. 279~280 , 1999-11. 臺南.
- 83 石天威, 王義春, 沈美方, 黃雅芬, "以加熱式偏光顯微鏡對聚三甲基酯結晶動力學研究," 第二十二屆高分子研討會 , pp. 157-158 , 1999-08. 國立交通大學, 新竹.
- 84 Tien-Wei Shyr, Chung Ouyang, and Yu-Hao Pan, "Impact damage and residual strength of mutiaxial warp knitted glass fabric reinforced polyester laminate," ICCM-12 , paper ID 944, July 5-9 , 1999-07. Paris.
- 85 Tien-Wei Shyr, Mei-Fang Shen, Ya-Fen Huang, and I-Chun Wang, "Morphology and Crystallization of Polytrimethylene Terephthalate," ATC-5 , ATC-5, pp 11-14 , 1999-06. Kyoto, Japan.
- 86 Tien-Wei Shyr and Wen-Fu Chan, "A New Approach of Measuring the Wicking Rate of Water Transport in Fabric," Proceedings of World Textile Congress , pp 283-293 , 1998-07. Huddersfield, U K, 15- 16.
- 87 胡美山, 石天威, 汪輝雄, "聚乙烯醇凝膠之流變性質," 第十三屆纖維紡織科技研討會 , pp 57-60 , 1997-08. 逢甲大學, 台中.
- 88 石天威, 陳威整, "纖維強化熱塑性樹脂之橫向結晶成長速率之探討," 第十三屆纖維紡織科技研討會 , pp 351-356 , 1997-08. 逢甲大學, 台中.
- 89 胡美山, 石天威, 汪輝雄, "聚乙烯醇凝膠之熱性質," 第二十屆高分子研討會論文集 , 12/1, pp 299-302 , 1997-08. 清華大學, 新竹.
- 90 T. W. Shyr, J.G. Tomka, and D.J. Johnson, "Interphase Between Carbon Fibre and Thermotropic Copolyester," Proceedings of ICCM-11 , Vol.IV , pp 741-746 , 1997-07. Gold Coast, Australia, 14th-18th, July.
- 91 M. S. Hu, T. W. Shyr, and H. H. Wang, "Thermal Property of Polyvinyl Alcohol Gel with Boric Acid," Proceedings of ATC'97 , Vol. 1, pp 143-146 , 1997-06. Taipei, Taiwan, June 24th-26th.
- 92 Shyr Tien-Wei and Lai Shin-Sung, "The Effect of Fusing Condition on Thermal Protective Fabric," Proceedings of The 78th World Conference of the Textile Institute, , Vol.III, pp 489-496 , 1997-05. Thessaloniki, Greece, May 23th-26th.
- 93 石天威, 沈美芳, "聚酯纖維(POY)在不同紡速下纖維結構之探討," 第十二屆纖

- 維紡織科技研討會論文集 , pp 134-138 , 1996-08. 中國文化大學, 台北.
- 94 胡美山, 石天威, 汪輝雄, "聚乙烯醇凝膠薄膜之機械性質和外觀," 第十二屆纖維紡織科技研討會論文集 , pp 155-160 , 1996-08. 中國文化大學, 台北.
- 95 陳文福, 劉文斌, 楊順通, 石天威, "四角網眼針織物濕熱傳導之分析," 第十二屆纖維紡織科技研討會論文集 , pp 439-445 , 1996-08. 中國文化大學, 台北.
- 96 王政弘, 許峰維, 石天威, "芳香族聚醯胺共聚合體可紡性之研究," 第十二屆纖維紡織科技研討會論文集 , pp 516-519 , 1996-08. 中國文化大學, 台北.
- 97 胡美山, 石天威, 汪輝雄, "聚乙烯醇凝膠薄膜之彈性行為和微細構造," 第十九屆高分子研討會論文集 , pp 421-424 , 1996-08. 清華大學, 新竹.
- 98 B. L. Chang and T. W. Shyr, "New Approaches to Discriminate the Assortment Hand of Fabrics," Proceedings of TIWC96 , Tampere, Finland , 1996-08. Vol. 2 (II) , pp 273-275.
- 99 T. W. Shyr, S. T. Yang, C. H. Jou, and S .C. Yao, "The Effect of Knitted Fabric Construction on Thermal and Water Transport Properties," Proceedings of TIWC96 , Vol.2(II), pp 389-391 , 1996-08. Tampere, Finland.
- 100 T. W. Shyr, J. R. Kuo, and S. T. Yang,, "Interaction Between Carbon Fibre and Thermoplastics," Proceedings of ICCM-10 , Vol. VI, pp 487-492 , 1995-08. Whistler, Canada, August 14th-18th.
- 101 Shung-Tung Yang, Tien-Wei Shyr, Chi-Hsiung Jou, and Shin-Chuang Yao, "The Thermal and Water Transport Properties of the Cotton Knitted Fabrics," Proceedings of 3rd Asian Textile Conference (ATC / 95) , Vol.1, pp 206-211 , 1995-08. Hong Kong.
- 102 C. H. Jou, C. H. Lin, T. W. Shyr, S. S. Soong, "THE HEAT AND MOISTURE TRANSMISSION PROPERTIES OF KNITTED FABRICS," PROCEEDINGS OF THE SIXTH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ERGONOMICS , PP106-107, 1994, 1994-08. PROCEEDINGS OF THE SIXTH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ERGONOMICS.
- 103 石天威, 黃永耀, 莊景倫, "不同的摩擦方法對纖維結構的破壞影響," 中華民國紡織工程學會 83 年度年會論文 , 13/2,p105 , 1994-08. 中華民國紡織工程學會誌.
- 104 張碧蘭, 石天威, "織物手感族群自動辨識系統之研究," 中華民國紡織工程學會 83 年度年會論文 , 第 12 卷, 第二期, p105 , 1994-08. 中華民國紡織工程學會誌.
- 105 高瑞宏, 石天威, "U 型斷面纖維之新合纖織物在染整製程中手感變化之研究," 中華民國紡織工程學會 83 年度年會論文 , 第 12 卷, 第二期 , 1994-08. 中華民國紡織工程學會誌.
- 106 林倩華, 石天威, "針織物之熱傳導性研究," 中華民國紡織工程學會 83 年度年會論文 , 12/2,pp107-108 , 1994-08. 中華民國紡織工程學會誌.
- 107 B. L. Chang, T. W. Shyr, C. H. Lin, S. S. Soong, I. F. Kao, and S. C. Yao,, "Principal Components and Stepwise Regression Analyses in the Modified Total Hand Value Equation," Proceedings of the International Symposium on Fiber Science and Technology , pp 94 , 1994-08. Yokohama, Japan.
- 108 B. L. Chang, T. W. Shyr, C. H. Lin, S. S. Soong, I. F. Kao, and S. C. Yao, "A New Approach to Evaluate Total Hand Value," Proceeding of the Sixth International Conference on Environmental Ergonomics , pp184-185 , 1994-08. Montebello, Canada.

109 C. H. Jou, C. H. Lin, T. W. Shyr, I. F. Kao, and S. C. Yao, "The Heat and Transmission of the Multi-Layer Fabric," Proceedings of the International Symposium on Fiber Science and Technology , pp102 , 1994-08. Yokohama, Japan.

110 柯枋坤, 林明芳, 石天威, 蔡宜壽, "氧化纖維與羊毛混梳阻燃非織物製造之研究," 第九屆纖維紡織科技研討會 , pp 127-136 , 1993-08. 逢甲大學, 台中.

111 楊順通, 石天威, "互鎖棉針織布濕熱傳導性質之探討," 第十一屆纖維紡織科技研討會 , 13/2,p105 , 1993-08. 台灣工業技術學院, 台北.

112 J. H. Kao, C. H. Lin, T. W. Shyr, C. H. Jou, S. S. Soong, and S. C. Yao, "The Effects of Emerising Conditions on the Hand Properties of Perch-Skin Fabrics," 22nd Textile Research Symposium, Mt. Fuji Symposium , pp. 164-169 , 1993-08. Kyoto University, Japan.

113 T. W. Shyr, S. H. Yang, and J. R. Kuo, "Melting Behavior of CF/PEEK Composite," Proceedings of ICCM-9 Madrid Spain , pp283-292 , 1993-07. Proceedings of ICCM-9 Madrid Spain.

114 石天威, "熱向性液晶聚合體在纖維上的應用," 高科技紡織品研討會 , pp62-71 , 1992-08. 南亞技術學院, 中壢.

專書論文

專書論文 作者群 論文題目 書名(編輯者) 出版單位 出版日期 卷期別頁數 備註

1 石天威, 楊順通, 郭俊榮 PEEK/Graphite Fiber 界面之研究 林宗華教授紡織紀念文集 逢甲大學紡織工程學系 1993-08-01 pp 88-109, 1992

核准專利

核准專利 專利名稱 類別 文號 日期(起) 日期(迄)

1 可水洗且防電磁波干擾之導線 發明 I 282559 2007-06 2025-03

2 可穿戴型生理量測系統 發明 I 274577 2007-03 2025-03

3 用於生理量測之高導電非織物電極片 發明 I 262225 2006-09 2025-03

4 四合一織物動態與靜態懸垂性自動測試系統 新型 M 289425 2006-04 2015-03

國科會計畫

國科會計畫 計畫名稱 計畫日期(起) 計畫日期(迄) 計畫編號

1 彈性導電織物的動態力學/電學/電磁遮蔽特性之研究(3/3) 2013-08 2014-07 NSC100-2221-E-035-024-MY3

2 (開發型)產學合作計畫一黏扣帶用之 PTT/PET 單絲纖維開發與評估(2/2) 2013-02 2014-01 NSC102-2622-E-035-001-CC2

3 (開發型)產學合作計畫一黏扣帶用之 PTT/PET 單絲纖維開發與評估 2/2(耀億工業股份有限公司配合款) 2013-02 2014-01 NSC102-2622-E-035-001-CC2

4 深耕工業基礎技術專案計畫-高值化功能性纖維工業基礎技術深耕專案計畫 2013-01 2013-12 NSC102-2218-E-035-001-

5 彈性導電織物的動態力學/電學/電磁遮蔽特性之研究(2/3) 2012-08 2013-07 NSC100-2221-E-035-024-MY3

6 (開發型)產學合作計畫一黏扣帶用之 PTT/PET 單絲纖維開發與評估(1/2) 2012-02 2013-01 NSC101-2622-E-035-003-CC2

- 7 (開發型)產學合作計畫—黏扣帶用之 PTT/PET 單絲纖維開發與評估(1/2)(耀億工業股份有限公司配合款) 2012-02 2013-01 NSC101-2622-E-035-003-CC2
- 8 彈性導電織物的動態力學/電學/電磁遮蔽特性之研究(1/3) 2011-08 2012-07 NSC100-2221-E-035-024-MY3
- 9 (應用型)產學合作計畫—微多孔聚四氟乙烯薄膜燒燙傷敷料基材開發—e-PTFE 薄膜表面改質接枝製程參數的探討 2010-11 2011-10 NSC99-2622-E-035-015-CC3
- 10 (應用型)產學合作計畫—微多孔聚四氟乙烯薄膜燒燙傷敷料基材開發—e-PTFE 薄膜表面改質接枝製程參數的探討(宇明泰化工股份配合款) 2010-11 2011-10 NSC99-2622-E-035-015-CC3
- 11 不 μ 鋼纖維延伸過程中晶相結構變化及製程-結構-性質關係之探討(3/3) 2010-08 2011-07 NSC97-2221-E-035-026-MY3
- 12 不 μ 鋼纖維延伸過程中晶相結構變化及製程-結構-性質關係之探討(2/3) 2009-08 2010-07 NSC97-2221-E-035-026-MY3
- 13 (應用型)產學合作計畫—聚四氟乙烯高強纖維產品之研製-纖維延伸製程對結構與性質之探討 2009-07 2010-06 NSC98-2622-E-035-005-CC3
- 14 (應用型)產學合作計畫—聚四氟乙烯高強纖維產品之研製-纖維延伸製程對結構與性質之探討(宇明泰化工股份有限公司配合款) 2009-07 2010-06 NSC98-2622-E-035-005-CC3
- 15 結合生理智慧衣及多媒體回饋於呼吸習慣改善之研究(3/3) 2008-11 2009-10 NSC97-2218-E-002-002
- 16 不 μ 鋼纖維延伸過程中晶相結構變化及製程-結構-性質關係之探討(1/3) 2008-08 2009-07 NSC97-2221-E-035-026-MY3
- 17 結合生理智慧衣及多媒體回饋於呼吸習慣改善之研究(2/3) 2007-11 2008-10 NSC96-2218-E-002-011
- 18 織物動態懸垂性之數學模式與轉譯公式之建立與評估(2/2) 2007-08 2008-07 NSC95-2221-E-035-081-MY2
- 19 提升產業技術及人才培育研究計畫 - 超細不 μ 鋼纖維後道延伸製程之改善 2007-05 2008-04 NSC96-2622-E-035-005-CC3
- 20 提升產業技術及人才培育研究計畫 - 超細不 μ 鋼纖維後道延伸製程之改善(金鼎聯合科技纖維股份有限公司配合款) 2007-05 2008-04 NSC96-2622-E-035-005-CC3
- 21 結合生理智慧衣及多媒體回饋於呼吸習慣改善之研究(1/3) 2006-11 2007-10 NSC95-2218-E-002-066-
- 22 織物動態懸垂性之數學模式與轉譯公式之建立與評估(1/2) 2006-08 2007-07 NSC95-2221-E-035-081-MY2
- 23 提升產業技術及人才培育研究計畫 - 聚酯/不 μ 鋼纖維混紡織物對電磁波反射、穿透、與吸收之探討 2006-05 2007-04 NSC95-2622-E-035-006-CC3
- 24 提升產業技術及人才培育研究計畫 - 聚酯/不 μ 鋼纖維混紡織物對電磁波反

- 射、穿透、與吸收之探討(金鼎聯合科技纖維公司配合款) 2006-05 2007-04 NSC95-2622-E-035-006-CC3
- 25 原生織布統計分類模式及其在混紡纖維的應用 2005-08 2006-07 NSC94-2118-M-035-004-
- 26 梭織物懸垂數學模型與懸垂係數轉譯公式之建立 2005-08 2006-07 NSC94-2216-E-035-016-
- 27 提升產業技術及人才培育研究計畫 - 不鏽鋼纖維之細化成型對結構與性質之影響 2005-05 2006-04 NSC94-2622-E-035-009-CC3
- 28 提升產業技術及人才培育研究計畫 - 不鏽鋼纖維之細化成型對結構與性質之影響(金鼎聯合科技纖維股份有限公司配合款) 2005-05 2006-04 NSC94-2622-E-035-009-CC3
- 29 以直接影像法建立織物客觀往復動態形態之關鍵物理參數 2004-08 2005-07 NSC93-2216-E-035-015-
- 30 提升產業技術及人才培育研究計畫 - 以抗電磁波粉體製作感測器用不 Ni 鋼纖維導線之研究 2004-05 2005-04 NSC93-2622-E-035-013-CC3
- 31 提升產業技術及人才培育研究計畫 - 以抗電磁波粉體製作感測器用不 Ni 鋼纖維導線之研究(金鼎聯合科技纖維股份有限公司配合款) 2004-05 2005-04 NSC93-2622-E-035-013-CC3
- 32 以多變量分析法藉 KES-FB 關鍵參數建立天然纖維織品動態垂挺性的族群辨識系統 2003-08 2004-07 NSC92-2216-E-035-011-
- 33 提升產業技術及人才培育研究計畫 - 不 Ni 鋼纖維織物的結構參數對電磁波遮蔽之影響 2003-06 2004-05 NSC92-2622-E-035-005-CC3
- 34 提升產業技術及人才培育研究計畫 - 不 Ni 鋼纖維織物的結構參數對電磁波遮蔽之影響(金鼎聯合科技纖維股份有限公司配合款) 2003-06 2004-05 NSC92-2622-E-035-005-CC3
- 35 以類神經網路建立 KES-FB 系統對織物動態垂挺係數之轉譯公式 2002-08 2003-07 NSC91-2216-E-035-012
- 36 金屬纖維與碳纖維補強材在塑料中分散性對電磁波遮蔽效果與抗衝擊性質之影響 2002-06 2003-05 NSC91-2622-E-035-003-CC3
- 37 金屬纖維與碳纖維補強材在塑料中分散性對電磁波遮蔽效果與抗衝擊性質之影響(金鼎聯合科技纖維股份有限公司配合款) 2002-06 2003-05 NSC91-2622-E-035-003-CC3
- 38 以新的方法建立 FAST 系統對織物總手感值之轉譯公式 2001-08 2002-07 NSC90-2216-E-035-009
- 39 以類神經網路建立手感轉譯公式 2000-08 2001-07 NSC89-2216-E-035-033
- 40 以簡易的逐步回歸方法建立棉及棉/聚酯織品的客觀手感轉譯公式 1997-08 1998-07 NSC87-2216-E-035-005
- 41 針織布的濕熱傳導性質之研究 1996-08 1997-07 NSC86-2216-E-035-006
- 42 三次元織物複合材料製造/微結構/性能/模式之研究(子計畫八)－破損演進(3/7) 1995-08 1996-07 NSC 85-2216-E-035-016

43 三次元織物複合材料製造/微結構/性能模式研究子計畫：纖維熱塑性樹脂界面性質 1994-08 1995-07 NSC84-2216-E035-014

44 纖維/熱塑性樹脂界面性質之研究 1993-08 1994-07 NSC83-0405-E-035-001

獎勵及指導學生獲獎

獎勵及指導學生獲獎 年度 獲獎名稱 授獎單位 獲獎日期 備註

1 92 92 學年度優良教師 逢甲大學 2003-11-15