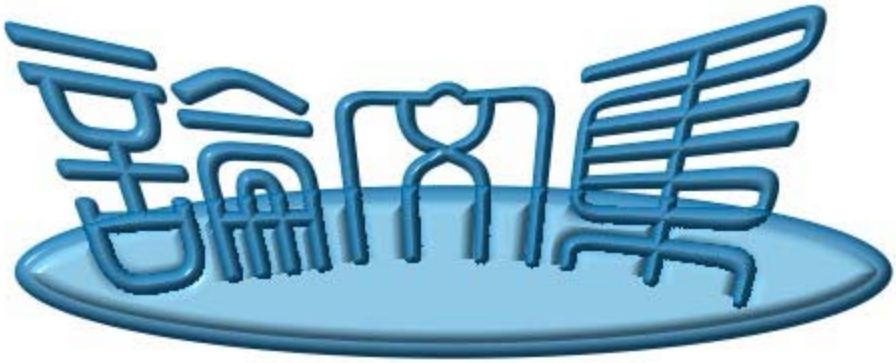
奈米材料科技暨尖端化工科技研究成果發表會



主辦單位：國科會工程科技推展中心、國立成功大學化學工程學系

協辦單位：成大微奈米中心、產業奈米技術應用促進會、成大化工系友文教基金會

民國九十二年十一月八日編印

成大化工系教師 91、92 年申請國科會專題計劃

執行年度	主持人	計劃名稱
92	王紀	以電紡絲製備高性能奈米纖維(膜)(1/3)
92	吳季珍	氯輔助成長奈米鑽石薄膜之研究(2/2)
92	吳逸謨	可控制型態/奈米結構之聚合物探討(1/3)
92	吳逸謨	高分子多成份系統微、奈及分子級相型態的研究(3/3)
92	李玉郎	脂質分子薄膜的製備及其在生物相容性之應用(1/2)
92	周澤川	利用電泳製備摻雜奈米級氧化物聚醯亞胺薄膜之研究(1/3)
92	林睿哲	由混合陰陽離子硫醇或單成分兩性離子硫醇所製備之兩性離子自我聚集性單分子層之表面及血小板接觸性質探討
92	侯聖澍	高分子改質黏土與高分子奈米複合材料之製備與其固態核磁共振光譜之研究
92	洪昭南	開發以微壓印蝕刻製造常壓電漿電極之技術
92	洪昭南	新型光電元件結構與奈米光電材料之研究(2/3)
92	翁鴻山	以續流攪拌式反應器利用液-液-固相間轉移催化技術合成醚類(2/3)
92	翁鴻山	奈米金屬氧化物觸媒用於同時還原二氧化硫與一氧化氮(1/3)
92	高振豐	超離子導體 LaGaxIn1-xO3 及載入鎂、鈣、鍶或鋇的 LaGaxIn1-xO3 製備及其性質研究
92	張玨庭	多重環路控制系統之模糊診斷法則
92	張玨庭	描述代謝網路之層級式 Petri
92	張嘉修	分生技術應用於廚餘油脂醱酵程序之研究—子計畫二:促進廚餘油脂分解之生物技術策略-油脂分解菌與脂解酵素之量產與應用(1/3)
92	張鑑祥	生物晶片基板表面處理與改質方法的開發
92	張鑑祥	血漿蛋白質對磷脂質 DPPC 在氣/液界面上動態界面活性之抑制機制的研究(2/3)
92	許梅娟	以活性碳固定微生物之串聯填充管柱系統進行連續進流廢水丙酮成份處理之探討(2/2)
92	郭炳林	以擬樹枝狀高分子製備高分子電解質燃料電池用之有機-無機混成型質子傳導層與奈米金屬觸媒層並探討其特性(1/3)
92	郭炳林	聚矽氧烷/聚乙烯醚混成型高分子電解質之製備與其導電機構(2/2)
92	陳志勇	二氧化矽奈米高分子材料開發
92	陳志勇	新穎奈米材料製備法及其應用之研究—子計畫一:以高分子基板製備奈米微粒之研究(2/3)

92	陳志勇	含螯合基之高分子固態電解質的研究(3/3)
92	陳志勇	奈米熱安定劑在油墨上的應用研究
92	陳東煌	以逐層自組裝技術製備奈米結構複合膜(2/2)
92	陳炳宏	以略疏水性非離子界面活性劑萃取水相中之微量芳香化合物(1/2)
92	陳特良	以固定於不織布上之正十六烷行親油性吸附回收脂肪酵素
92	陳進成	蒸氣在奈米微粒上非均勻相核凝之探討(3/3)
92	陳雲	側鏈含發光及電子傳送基團高分子的合成與光電特性(1/3)
92	陳慧英	以無電鍍技術製備鈀/半導體氫氣感測器及其應用(2/3)
92	黃世宏	利用多重積分和最小平方演算法進行連續多變數系統之鑑別：一具有高通用性之技術
92	黃定加	冬凌草之萃取研究
92	黃耀輝	新穎奈米材料製備法及其應用之研究—子計畫三：高分子纖維製備無機奈米微粒複合材料及其應用之研究(2/3)
92	黃耀輝	連續式電解-Fenton 法於廢水處理上的應用
92	楊明長	智慧型平板式一氧化碳感測器
92	楊毓民	新型液胞傳輸載體之研究(2/3)
92	溫添進	電化學發光元件與電晶體之研究(2/3)
92	劉瑞祥	GRIN 光學元件之研究:含奈米微粒之光學元件之製備及光學特性研究(3/3)
92	劉瑞祥	化學增感型光阻劑之合成及特性探討(2/3)
92	蔡少偉	以酵素及有機鹼為觸媒開發(S)-(α)-arylamine 之動態動力分割製程(2/3)
92	蔡少偉	酵素及消旋觸媒固定化對動態動力分割製程之改善
92	鄭智元	創傷弧菌之藍色螢光蛋白應用於大腸桿菌生物取像系統之研究
92	鄧熙聖	不同孔洞材料載體對金屬氧化物催化一氧化氮還原之影響
92	鄧熙聖	介孔電極材料的研製及其超電容機制的探討(2/3)
92	鍾賢龍	微波輔助-燃燒合成奈米級粉體之製程技術開發(1/2)
91	王紀	高分子薄膜微結構與小分子吸附之關聯(2/2)
91	吳季珍	氯輔助成長奈米鑽石薄膜之研究(1/2)
91	吳逸謨	半結晶性高分子系之多晶相形態、熱行為及排向性質之比較(3/3)
91	吳逸謨	高分子多成份系統微、奈及分子級相型態的研究(2/3)
91	吳逸謨	磷系觸媒在環氧樹脂封裝材之應用
91	李玉郎	鈦花青薄膜製備及其在氣體感測器應用的研究(2/2)
91	周澤川	溶氧感測器
91	周澤川	電聚合法合成四級銨丙酸酯系列聚合體之研究及其應用(3/3)
91	林睿哲	具有不同離子性及親疏水性末端官能基硫醇之製備及其自我聚集單分子層之

		表面性質與血小板接觸性質之探討(2/2)
91	洪昭南	新型光電元件結構與奈米光電材料之研究(1/3)
91	洪昭南	類鑽碳膜附著力改善之研究
91	翁鴻山	以溶膠凝膠法製備用以一氧化氮還原反應之奈米級觸媒(2/2)
91	翁鴻山	以續流攪拌式反應器利用液-液-固相間轉移催化技術合成醚類(1/3)
91	高振豐	超離子導體載入鎂鈣鍶或鋇之 LaGaO3 的合成及其性質研究
91	張玨庭	在程序控制迴路中以失誤樹為基礎之模糊診斷策略的發展
91	張玨庭	批式製程危害分析的演繹推理演算法
91	張嘉修	廢水褪色重組菌種之開發與應用(2/2)
91	張鑑祥	血漿蛋白質對磷脂質 DPPC 在氣/液界面上動態界面活性之抑制機制的研究(1/3)
91	許梅娟	以活性碳固定微生物之串聯填充管柱系統進行連續進流廢水丙酮成份處理之探討(1/2)
91	郭炳林	以水溶性擬樹枝狀高分子製備金屬奈米粒子
91	郭炳林	聚矽氧烷/聚乙烯醚混成型高分子電解質之製備與其導電機構(1/2)
91	郭炳林	新穎含磷氮難燃環氧樹脂之工業化製備與應用
91	陳志勇	新穎奈米材料製備法及其應用之研究─子計畫一：以高分子基板製備奈米微粒之研究(1/3)
91	陳志勇	含螯合基之高分子固態電解質的研究(2/3)
91	陳志勇	層狀複合奈米材料在油墨上的應用
91	陳東煌	以逐層自組裝技術製備奈米結構複合膜(1/2)
91	陳炳宏	界面活性劑水相行為和其在化學微量分析的應用
91	陳特良	以正十六烷-水之界面吸附回收脂肪酵素
91	陳進成	蒸氣在奈米微粒上非均勻相核凝之探討(2/3)
91	陳雲	單層發光二極體用共軛高分子的合成及特性(3/3)
91	陳慧英	以無電鍍技術製備鈀/半導體氫氣感測器及其應用(1/3)
91	黃世宏	在模型結構和負載擾動未知情況下穩定、積分、及不穩定程序之系統鑑別方法
91	黃定加	半枝蓮中保肝成份之萃取研究
91	黃耀輝	一種新的電解氧化法於廢水處理上的應用
91	黃耀輝	新穎奈米材料製備法及其應用之研究─子計畫三：高分子纖維製備無機奈米微粒複合材料及其應用之研究(1/3)
91	楊明長	阻抗分析在質子交換膜燃料電池之應用
91	楊毓民	新型液胞傳輸載體之研究(1/3)
91	溫添進	循環伏安植入奈米聚苯胺於碳材之超高電容器研究

91	溫添進	電化學發光元件與電晶體之研究(1/3)
91	溫添進	電解液配方對電動車鋰離子電池之性能與安全性研究
91	劉瑞祥	GRIN 光學元件之研究:GRIN 光學元件用奈米微粒之製備及特性研究(2/3)
91	劉瑞祥	化學增感型光阻劑之合成及特性探討(1/3)
91	蔡三元	電子用低介電材料(3/3)
91	蔡少偉	以酵素及有機鹼為觸媒開發(S)-(α)-arylamine 之動態動力分割製程(1/3)
91	蔡少偉	以酵素及有機鹼為觸媒應用動態動力分割法進行(S)-naproxen 生產之製程改善(II)
91	鄧熙聖	介孔電極材料的研製及其超電容機制的探討(1/3)
91	鄧熙聖	碳觸媒之金屬離子和表面官能基對氨還原氮氧化物之影響(2/2)
91	鍾賢龍	氮化鋁之合成與應用性質研究(III)

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1. Hsu-Chin Hsiao, Shue-Ming Kao and Hung-Shan Weng, 2000, Synthesis ofn-ButylPhenyl Ether by Tri-Liquid-Phase Catalysis Using Poly(ethylene glycol)-600 as aCatalyst. 1. Analysis of Factors Affecting the Formation of a Third Liquid Phase, Ind.Eng. Chem. Research, 39, pp. 2772-2778,
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11. Hsu-Chin Hsiao and Hung-Shan Weng, 2002, A Limitation of Reusing the Catalyst in Tri-Liquid-Phase Catalytic Systems, Chem. Eng. Comm., in press.

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高振豐教授

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專利:

類別: A

專利名稱:藉由離子交換樹脂排代色層分析法從發酵液中分離色氨酸

國　別　: 中華民國

專利號碼: 260624

發 明 人: 林洪志,王正仁.

專利權人: 財團法人生物技術開發中心

專利期間: 1995/10/21 ~ 2012/8/17

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