

壁報論文議程表

能源與環境工程

地點：中央大學 工程一館三樓 (11 月 25 日 15:10 ~ 17:10)

報告編號	論文編號	報告作者	共同作者	單位	論文題目
EE001	0727	詹德勝	Chan D. S. (詹德勝)	黎明技術學院	Momentum Transport and Dynamic Simulation of Gas-solid Fluidized Bed
EE002	0713	林雅駿	Ya-Jyun Lin, Youg-Chong Lo, Kuan-Jung Li and Jo-Shu Chang*	成功大學	Biobutanol fermentation with immobilized cells using microalgal biomass as feedstock combining in-situ product removal to enhance butanol production
EE003	0712	江媛容	Yuan-Jung Chiang ¹ , Yung-Chung Lo ¹ , Kuan-Jung Li ¹ , and Jo-Shu Chang ^{1, 2*}	成功大學	Methane Production from Succinic acid Fermentation Wastes using Anaerobic Fermentation
EE004	0704	張鈞量	Chang C.L.(張鈞量)*, Hwang C.S. (黃振興), Tsai C.H. (蔡俊煌), Yang S.F. (楊昇府), Wu M.H.(吳明修) and Cheng-Yun Fu C.Y.(傅正允)	行政院原子能委員會核能研究所	Proton-Conducting Metal-supported Solid Oxide Fuel Cell Manufactured by Atmospheric Plasma Spraying
EE005	0703	王昇宏	Wang S.H. (王昇宏), Lin Y.H. (林岳宏), Lin P.J.* (林屏杰), Lee K.S. (李國興)	逢甲大學	Fermentative 1, 3-propanediol production from glycerol using a granular sludge process
EE006	0700	李孟修	Meng-Hsiu Lee, Chun-Yen Chen, Jo-Shu Chang *	成功大學	Fermentation strategies for enhancing lipid producing efficiency of <i>Thraustochytrium</i> sp. BM2
EE007	0699	莊鎧瑋	Zhuang, Kai-Wei, Chun-Yen Chen, Jo-Shu Chang	成功大學	Using basic oxygen furnace slag (BOFS) as the supplement for the cultivation of indigenous marine microalgae
EE008	0696	楊哲遠	陳冠榮, 邱弘廷, 楊哲遠, 呂宗昕*	臺灣大學	Synthesis of Perovskite materials via the novel solvothermal process
EE009	0691	胡祥彬	薛立成、胡祥彬、江明勳、謝慶東*	南台科技大學	Study on natural dye properties of dye-sensitized solar cells.
EE010	0686	黎巧薇	Li C.W.(黎巧薇), Liu I.P.(劉一平) and Lee Y.L.(李玉郎)*	成功大學	Dye-Sensitized Solar Cell Employing a Cobalt Complex Electrolyte for Indoor Light Application
EE011	0684	歐長穎	Sudam Chavhan, Chang-Ying Ou, Chung-Hsin Lu*	臺灣大學	Preparation and Characterization of CH ₃ NH ₃ PbI _{3-x} Cl _x Thin Films Deposited by Two Step Sequential Deposition Method
EE012	0683	歐長穎	Ma J.S.(馬正鑫), Ou C.Y.(歐長穎), Lu C.H.(呂宗昕)*	臺灣大學	A Novel Process to Deposit CdS Buffer Layers Used in Cu(In,Ga)Se ₂ Solar Cells

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EE013	0681	楊鈞笙	Yang J.S. (楊鈞笙), and Wu J.J.(吳季珍)*	成功大學	Three-Dimensional ZnO/BiVO ₄ Core-Shell Nanodendrite Array for Photoelectrochemical Water Oxidation
EE014	0680	卓訓璋	Cho H.W. (卓訓璋), and Wu J.J.(吳季珍)*	成功大學	Improvement of Photovoltaic Performance of Perovskite Solar Cells by the Addition of Reduced Graphene Oxides
EE015	0672	林建錡	Jian-Ci Lin, Wei-Ning Hung, I-Ping Liu and Yuh-Lang Lee*	成功大學	Iodine Concentration Regulation of Electrolytes for Dye-Sensitized Solar Cells Operated under Sun Light and Dim Light Conditions
EE016	0662	Baskar Selvaraj	Selvaraj B	National Taiwan University	Li-Ion Battery Anode from Kerf-loss Silicon: An Energy Storage Development out of Solar Energy Industrial Waste
EE017	0650	徐佑宗	SYU Y.Z.徐佑宗、Jhan T.W.(詹庭惟)、Chen H.S.(陳興松)*	虎尾科技大學	Study of the Properties of Graphite Base Bipolar Plate of Fuel Cell with Different Carbon Fiber Structure and the Evaluation of Different Release agents During the Manufacture Process of Bipolar Plate
EE018	0632	洪添燦	Hsiao Y.T.(蕭耀霆) and Hung T.T.(洪添燦)*	義守大學	Blending Gel of Poly(methyl methacrylate) and Cyclic Alkylene Carbonates for Dye-Sensitized Solar Cells Electrolyte
EE019	0625	楊家福	C.F. Yang, P.C. Tsai, C.M. Lu, W.C. Chang, Y.M. Yang, C.W. Lan*	臺灣大學	Surface activation and gettering of multicrystalline silicon wafers from diamond wire saw slicing and slurry saw slicing
EE020	0624	楊家福	P.C. Tsai, C.F. Yang, R. Ganthi, C.W. Lan	臺灣大學	HF-HNO ₃ -H ₂ SO ₄ system for texturing diamond wire sawn multicrystalline silicon wafer
EE021	0617	蕭瑞昌	蕭瑞昌*、李子杰、宋大崙、鄭智勤、郭沛盈、呂柏毅	龍華科技大學	The Decoloration of High Concentration Azo Dyes Using Ozone and Photocatalytic-Like Hybrid Process
EE022	0610	邱秀玫	Hsiu-Mei Chiu(邱秀玫), Po-Chuang Chen(陳柏壯), Yau-Pin Chyou*(邱耀平) and Karel Svoboda	核能研究所	Synthetic Natural Gas (SNG) Production via Gasification Process with Blend of Coal and Empty Fruit Bunches as Feedstock
EE023	0608	黃昱恆	Huang Y.H. (黃昱恆), Lin K.S. (林錕松)	元智大學	Synthesis and Characterization of MoS ₂ /TiO ₂ Photocatalyst for Pollutant Degradation
EE024	0603	簡祺明	Qi-Ming Jian(簡祺明), Cheng-Che Hsu(徐振哲)	簡祺明	The Study of Plasma Optical Emission Using of a Cellphone-based Optical Emission Spectrometer

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EE025	0602	楊馥瑜	Fu-Yu Yang (楊馥瑜), Cheng-Che Hsu (徐振哲)	臺灣大學	The Design and Development of a Pin-to-Droplet Plasma Generation Device for Detection of Metallic Ions in Aqueous Solutions
EE026	0601	袁廷凱	Yuan T.K (袁廷凱), Hsu.C.C(徐振哲)	臺灣大學	The Parametric Study of a Pin-to-Droplet Plasma Generation Device for Detection of Metallic Ions in Aqueous Solutions
EE027	0563	陳昌駿	Chen C.J., Lin P.K., Chu C.W.	豐宇鑽井工程股份有限公司	Technological Research and Development of High Temperature and Low Density Geothermal Well Cementing
EE028	0558	周宏隆	Hung-Lung Chou,* Sundaram Ganesh Babu, Ramalingam Vinoth, Dharani Praveen Kumar, Muthukonda V. Shankar, Kizhanipuram Vinodgopal* and Bernaurdshaw Neppolian*	臺灣科大	Investigation of influence of charge transferring, electron storing, and shuttling assets of rGO at the interfacial TiO ₂ with copper doped p-n heterojunction
EE029	0552	曾堯宣	You-Lun Jhang, Shih-Bin Chen, Zih-Ru Sun, Ci-Bao Lin, Guan-Ying Chen, Ci-Jyuan Huang, Yao-Hsuan Tseng,*	臺灣科大	Development of Energy-saving Photocatalytic Air Cleaner
EE030	0538	謝錦隆	Hsieh C. L.(謝錦隆)*, Lin K. F.(林金福), Lee C. Y. (李其源), Liu Y. M.(劉芸旻)	行政院原子能委員會核能研究所	The Study on Internal Structure Monitoring of Flow Battery System
EE031	0537	謝錦隆	Hsieh C. L.(謝錦隆)*, Chen Q. Y.(陳巧雅), Lin K. F.(林金福)	行政院原子能委員會核能研究所	Performance Testing of Energy Storage Systems in Renewable Energy
EE032	0535	陳志成	Ting-Yen Huang (黃个晏), Shang-Cheng Lian (連上程), Chien-Yuan Chen (陳建元), Yi Chiang (江毅), Ping-Hsun Tsai (蔡秉勳), and C. Will Chen (陳志成)*	大同大學	Natively Special Enzyme Applied to The Resourcing of Cellulosic wastes and The Industrial Development

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EE033	0533	張芸甄	Yun-Jhen Jhang, Yao-Hsuan Tseng, *, Jeng-Ywan Jeng	臺灣科大	Emission of Ultrafine particles and VOCs in Fused Deposition Modeling 3D Printer
EE034	0528	陳嘉明	張少軒, 張筑鈞, 黎紘銘, 陳嘉明*	大同大學	Effect of goethite calcination temperature on its catalytic activity for benzoic acid degradation in water
EE035	0527	宋孟浩	Shuhui Wu (巫淑慧), Menghau Sung (宋孟浩*), Yu-Tsung Chung(鐘鈺琮), Jen-Yu Huang(黃任榆), Chia-Chi Wu(吳家祺)	東海大學	Removal of Boron in Photoresist Wastewater by Chemical Precipitation
EE036	0523	丁鯤	Ting K.(丁鯤)*, Wu C.H. (吳進興), Huang A. P. (黃鞍柏), Y. C. Shih (石逸泉)	龍華科大	Decoloring Process of Dye Wastewater by Atmospheric Pressure Non-thermal Plasma
EE037	0503	陳世明	Lin C.F. (林其鋒), Wu J.Y. (吳俊瑩), Chern S.M. (陳世明)*	義守大學	Co-gasification of Cinnamic Alcohol and Ethanol in Supercritical Water
EE038	0491	廖家輝	*Jia-hui Liao Bor-Yann Chen Chung-Chuan Hsueh	宜蘭大學	Feasibility study of stimulation of dye decolorization using Chinese medical herb wastes
EE039	0483	劉宗宏	Tzong-Horng Liou (劉宗宏)*, Jyun-Jie Huang (黃俊傑), Yuan-Hao Liou (劉元皓) and Pie-Ying Wang (王霽盈)	明志科大	Surface Modification of MWCNTs and its Application in the Adsorption of p-Nitroaniline
EE040	0450	黃正憲	Huang C.H. (黃正憲), Chen Y.H. (陳奕宏)*, Hung S.H. (洪紹軒), Chen L.Y. (陳律言), and Yuan M.H. (袁明豪)	台北科大	Ozonation of dimethyl sulfoxide in the waste water of the optoelectronics industry using a rotating packed bed
EE041	0446	吳澍齊	Shu-Chi Wu (吳澍齊), Cheng-Hsien Yang (楊正賢) and Jeng-Kuei Chang (張仍奎)*	中央大學	Hydrogenated TiO ₂ for sodium-ion battery anodes

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EE042	0441	鍾佳君	Chung C.C.(鍾佳君)*, Huang J.M.(黃家銘), Chen C.C.(陳祈彰), Leu C.H.(呂志興), Chou X.L.(周學倫), Ye J.H.(葉建宏), Hsueh K.L.(薛康琳), Chang W.S.(張文昇), and Wu C.Y.(吳成有)	工業技術 研究院	Effects of temperature on vanadium redox flow batteries performance
EE043	0437	徐繹翔	Yi-Hung Liu (劉益宏), Fang-Hsin Lin(林芳新), I- Hsiang Hsu (徐繹翔)*	工業技術 研究院	Direct analysis of particle impurity in NH ₃ gas by single-particle inductively coupled plasma mass spectrometry
EE044	0434	許安瑋	*An-Wei Hsu, Bor-Yann Chen, Chung-Chuan Hsueh	宜蘭大學	Comparative assessment upon antioxidant activity and electrochemical characteristics of natural edible plants
EE045	0429	鍾佳君	Chou X. L.(周學倫), Leu C. H.(呂志興)*, Chung C. C.(鍾佳君), Chen C. C.(陳祈彰), Huang J. M.(黃家銘), Chang K. E. (張國恩), Chang W. S.(張文昇)	工業技術 研究院	Study of key components in the vanadium redox flow battery
EE046	0427	黃程郁	Huang C.Y. (黃程郁), Chang Y.H. (張宇涵), Chen Y.H. (陳奕宏)*, Yuan M.H. (袁明豪), Huang J.F. (黃鈞滄)	臺北科大	Technical development in bioesters production from free fatty acids
EE047	0421	吳耿東	Wu K.-T.(吳耿東)*, Shih Y. S.(施侑杉), Yang K. C.(楊凱成), Tseng C.(曾尹澍), K. Manatura	中興大學	Gasification of Torrefied Woody Biomass with Carbon Dioxide in a Bubbling Fluidized Bed
EE048	0387	何啓東	Ho C.D (何啓東)*, Hsiao C.F (蕭淨方), Hong Z.S(洪子軒)	淡江大學	Performance Improvement of a Recycling Double-Pass Cross-corrugated Solar Air Heater
EE049	0378	張志文	Chang C.W. (張志文), and Lu S.Y.(呂世源)*	清華大學	Dense Perovskite Film of Large Grains from Porous PbI ₂ with a Novel Solvent Soaking Method

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EE050	0375	劉靜芳	Liu C.F., Huang C.P., Huang C., and Hu C.C.	清華大學	Coupling Photoelectrochemical catalysis and Photoelectro-Fenton using TiO ₂ /Ti and Stainless Steel Dual Anode System for Treatment of Dye Wastewater
EE051	0363	匡載文	Zai-wen Kwang (匡載文) and Shih-Yuan Lu(呂世源)*	清華大學	Solvent molecule-coordinated PbI ₂ for high efficiency perovskite solar cells
EE052	0349	洪逸明	陳名彥、黃信哲、吳采晏、洪逸明*	元智大學	Effect of microwave co-precipitation method on the structural, electrochemical properties of 0.4Li ₂ MnO ₃ .0.6LiMn _{1/3} Ni _{1/3} Co _{x1/3} O ₂ cathode materials for lithium-ion batteries
EE053	0343	吳森榮	吳森榮, 李文湧, 楊熾森, 張瑩璽, 萬皓鵬	工業技術研究院	Manufacture and Combustion Application of Bamboo Pellets
EE054	0340	吳悠	Wu Y. (吳悠), Fu G.Y.(傅冠穎) and Jan J.S.(詹正雄)*	成功大學	Flame Retarded Quasi-Solid Polyelectrolyte Comprising Ionic liquid and Carbonate For Lithium-Ion Batteries
EE055	0334	吳佩芬	Wu P.F.(吳佩芬)*, Lu W.C.(盧文章) and Wan H.P.(萬皓鵬)	工業技術研究院	Study of swine wastewater in different concentration on the growth of Chlorella sp.
EE056	0317	劉子雯	Liu Z.W , Wu Y.N and Chen Y.S*	中原大學	Capture of Carbon Dioxide by a Mixture of Alkanolamine and Deep Eutectic Solvent in a Rotating Packed Bed
EE057	0314	張剛耀	Zhang G.Y., Wang Y.M., Chen Y.S.	中原大學	A Study of CO ₂ Capture by Alkanolamine Solution in a Rotation Packed Bed
EE058	0304	楊慧筠	Yang H.Y. (楊慧筠), Chen Y.C.(陳渝靜), Chen C.C.(陳昌傑), Lu W.C. (盧文章), Wan H.P.(萬皓鵬)*	工業技術研究院	Low Energy Consumption Method for Algal Lipid Extraction Using Amphiphilic Amine and Ionic Liquid
EE059	0299	林佶民	Lin J.M.(林佶民) and Chen S.W.(陳信文)*	清華大學	Interfacial reaction in transient liquid phase bonding of Cu/Ga/Ni and Cu/Ga/Co
EE060	0293	張家綺	Chia-Chi Chang, Tai-Chou Lee*	中央大學	Using Nickel foam as anode current collector with different flow field for Zn-based batteries
EE061	0284	梁婉怡	Yun-Yi Leong (梁婉怡), P. M. Reddy, Chi-Jung Chang (張棋榕)*, Jing-Yuan Kang (康璟淵)	逢甲大學	Anthraquinone based colorimetric sensors for selective sensing of CN ⁻ and F ⁻ ions in aqueous solutions

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EE062	0271	郭煥廷	Kuo H. T. (郭煥廷), Chen C. H. (陳建宏), Huang C. W. (黃焯為), Tu W. C. (杜文強), Wang N. P. (王年彬), Huang P. S. (黃保順), Shieh T. C. (謝佐俊), and Yu C. T. (余慶聰).	核能研究所	Industrial applications of medium-high temperature CO ₂ capture technology
EE063	0270	蔡鎧安	Tsai K.A. (蔡鎧安), Hsu Y.J. (徐雍鎣), and Bai H.L. (白曠綾)	交通大學	Low-Temperature Selective Catalytic Reduction of NO _x over MnFe Catalysts: Effect of Structural Support
EE064	0269	陳彥橋	Chen Y.C. (陳彥橋), Chen C.M. (陳志銘)*	中興大學	Study of Electrochemical Impedance Spectroscopy of Dye-sensitized Solar Cells with Blocking Layer
EE065	0266	黃元廷	黃元廷、朱婷宇、周容萱、姚宛彤、洪逸明	元智大學	Effect of 0.6Bi0.5Sr0.1La0.4MnO _{3-δ} -0.4Bi0.67Ca0.15Zr0.18O _{1.5-δ} composite cathode for intermediate-temperature solid oxide fuel cells
EE066	0265	王振諧	Jenn-Shye Wang , Wen-Chang Lu , Yu-Ching Chen, Jui-Chin Teng, Hou-Peng Wan * , Qi-Hong Lin	工業技術研究院	The influence of recycled harvested-water on the growth of microalgae
EE067	0264	劉信旺	Liu H.W.(劉信旺), Huang C.K.(黃焯坤)	工業技術研究院	Development of multi component VOC calibration gas mixture standards for environmental monitoring
EE068	0257	黃馨霏	Huang H.P.(黃馨霏), Dai Y.M.(戴永銘),and Chen C.C.(陳錦章)*	臺中教育大學	Evaluating the optimum operating parameters of biodiesel production process from soybean oil using the Li ₃ AlSiO ₅ catalyst
EE069	0255	宋振銓	宋振銓, 何啓東, 張煖, 陳逸航*	淡江大學	Optimal design and control of solar driven air gap membrane distillation desalination systems.
EE070	0246	吳劭易	Shao-I Wu(吳劭易), Ming-Der Bai(白明德), Jen-Chih Chen(陳仁治), Hui-Ju Hsu(徐卉汝), Chang-Chieh Chen*(陳昌傑), Wen-Chang Lu(盧文章), Hou-Peng Wan(萬皓鵬)	工業技術研究院	Active extracellular substances from Bacillus sp. ITRI-G1 induce programme cell death in microalgae C. vulgaris
EE071	0245	郭彥廷	Kuo Y.T.(郭彥廷)*、 Lin W.T.(林威廷)、 Wan H.P.(萬皓鵬)	工業技術研究院	The study of extractive distillation for organic solvent purification and concentration

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EE072	0235	陳逸航	江景揚, 陳逸航*	淡江大學	Optimal design of a micro-channel propane steam reformer for hydrogen generation system
EE073	0209	黃焜坤	Chiung-Kun Huang(黃焜坤), Jui-Hsiang Cheng(鄭瑞翔), Tsai-Yin Lin(林采吟), Hsin-Wang Liu(劉信旺)*	工業技術研究院	Development of N2O in N2 PRMs for Measuring Greenhouse Gas Emissions
EE074	0203	游佩蓉	Yu P.J.(游佩蓉), Hung W.C.(洪偉鈞), Wan H.P.(萬皓鵬)*	工業技術研究院	Lignocellulosic Hydrolysis Using ITRI's Ionic Solution
EE075	0195	楊昀翰	Yan Y.H.(楊昀翰), Liu S.H.(劉守恒)*, Kuo C.W.(郭仲文)	高雄應用大學	Adsorption of nicotine in aqueous solution by modified graphene oxide
EE076	0185	王煥彰	Huang-Chang Wang (王煥彰), Liang-Yih Chen (陳良益)*	臺灣科大	INVESTIGATION OF ANTIFOULING PERFORMANCE OF SUPER-HYDROPHOBIC COATING
EE077	0183	李元備	Yuan-Bei Lee (李元備) and Liang-Yih Chen (陳良益)*	臺灣科大	THE STUDY OF DYE-SENSITIZED SOLAR CELL WITH CARBON-BASED COUNTER ELECTRODE
EE078	0175	廖俊傑	Lin-Yu Chiang (江臨鈺)、Jyun-Jie Liao (廖俊傑)、Ruey-Shin Juang (莊瑞鑫)*	長庚大學	Photodegradation of Phenol in Aqueous Solution Using Titania Nanoparticles Immobilized on Microporous PVDF Membranes
EE079	0165	張維哲	Chang W.C.(張維哲), Shih Y.P.(施郁霈), Tsai T.H.(蔡子萱)*	臺北科大	Purification of the Recycled Glycol Liquids
EE080	0159	李丞哲	Cheng-Zhe Li(李丞哲), Yu-Pei Shih(施郁霈) and Tzu-Hsuan Tsai(蔡子萱)*	台北科大	Hydrogen energy produced by the recovered silicon from wafer-sawing waste
EE081	0152	傅思華	Sih-Hua Fu, Chih-Hung Wu, Chi-Wen Lin *	雲林科大	Enhancement of gaseous ethyl acetate removal and electricity generation by installing small test-tube microbial fuel cells into biotrickling filter microbial fuel cell
EE082	0151	陳珠修	Chen J.S.*(陳珠修)、Kuo Y.T.(郭彥廷)、Yang T.Y.(楊子岳)、Wan H.P.(萬皓鵬)	工業技術研究院	The recovery extraction agent for purification of reducing sugar in hydrolysis of lignocellulose

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EE083	0130	黃建良	黃建良*、粘愷峻	工業技術研究院	The research of the 1,3,5-trimethylbenzene adsorption capacity on Zeolite materials
EE084	0123	麥碩庭	Mai S.T. (麥碩庭), Lin H.H. (林校賢), Liu T.W. (劉丁維), Chang C.C. (張志強), Tseng C.P. (曾慶平)*	交通大學	Biogas production by dry anaerobic digestion of kitchen waste
EE085	0112	陳錫仁	劉繼允、沈坤榮、陳錫仁*	淡江大學	Process Research of Shale Natural Gas Liquid (NGL) in the Petrochemical Industry: Ethylene and Ethylene Oxide
EE086	0110	詹盛文	Sheng-Wen Chan, Wei-Tse Hsu, Ching-Chi Hsu, Cheng-Hsiung Wen, Edward Tam	工業技術研究院	Large-area of high uniform CdS thin film grown by special technique chemical bath deposition.
EE087	0105	陳嘉元	Chen J.Y.(陳嘉元)*、Hung W.C.(洪偉鈞)、Wan H.P.(萬皓鵬)	工業技術研究院	The study of agriculture residues hydrolysis in ionic solution
EE088	0089	劉靜庭	Liu C.T. (劉靜庭), Chiang S.J.(江淑嬪), Liu Y.L.(劉英麟)*	清華大學	Crosslinkable Polymeric Coatings on Filter and Absorbent Substrates for Effective Oil/Water Separation
EE089	0019	張哲瑋	Chang J.W.(張哲瑋), Jeng U.S.(鄭有舜) and Lu S.Y.(呂世源)*	清華大學	Electrodeposition of Zirconium Selenide Decorated Cadmium Selenide Thin Films for Photoelectrochemical Water Splitting

生化與生醫

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BC001	0013	張德生	Chien-Min Chiang ¹ , Dong-Sheng Wang ² and Te-Sheng Chang ^{2,*}	National University of Tainan	Production of 3'-hydroxydaidzin and 3'-hydroxygenistin using recombinant Escherichia coli
BC002	0026	李佳豪	Lee C.H., Kuo Y.C.*	中正大學	Etoposide-loaded solid lipid nanoparticles for permeation of human brain-microvascular endothelial cells and growth inhibition of U87MG cells
BC003	0060	鄭光喬	Cheng K.C. (鄭光喬), Tseng C.C. (曾俊傑)* and Lu Y.C. (呂英誠)	財團法人金屬工業研究發展中心	Non-invasive gas sensing device of cirrhosis
BC004	0066	趙尹維	Chao Y.W. (趙尹維), Kuo Y.C. (郭勇志)*	中正大學	Antiproliferation of malignant brain tumor cells using nanocarriers containing melanotransferrin antibody
BC005	0068	林則安	Lin T.A. (林則安), Lin J.C. ((林睿哲)*)	成功大學	Synthesis of Sulfonated SEPS and its characteristics of hemocompatibility and cytotoxicity
BC006	0079	林慧宣	HUEI-SYUAN LIN (林慧宣), Hsin-Yi Lin (林忻怡)*	台北科大	Making Bi-layered composite scaffold with 3D plotted Alginate hydrogel and Chitosan / polyvinyl alcohol nanofibers for tissue repair
BC007	0085	李柏俊	Li B.C. (李柏俊), Lin H.Y. (林忻怡)*	臺北科大	Effects of cyclic stretching on the growth and morphology of fibroblasts embedded in high α -L-galuronic alginate hydrogel
BC008	0090	陳柏維	Po-Wei Chen, and John Chi-Wei Lan	元智大學	Comparison of suspended and immobilized halophiles for ectoine production
BC009	0094	鄒維倫	Chin-Hang Shu*, Chun-Hsing Yang and Wei-lun Zou	中央大學	Continuous butanol production by using PDMS sponge extractive fermentation
BC010	0098	劉忠凱	Chung-Kai Liu and Wen-Chang Chen*	雲林科大	Optimization of alkaline pretreatment and enzymatic hydrolysis of sugarcane bagasse from Saccharum officinarum
BC011	0101	林家賢	Lin C.H. (林家賢), Chen W.C. (陳文章)*	雲林科大	Immobilization of xylanase onto carboxyl-functionalized silica nanoparticles by covalent attachment
BC012	0108	陳怡君	Chin-Hang Shu,* Wen-Huei Lin and Yi-Jun Chen	中央大學	Effect of red light and addition of wood essential oil on the production of biomass and triterpenoids of Antrodia cinnamomea in submerged cultures
BC014	0120	王尉羽	Wei-Yu Wang ¹ , Shen-Long Tsai ^{2,*}	臺灣科大	Enhancing Cellulose Hydrolysis by Phage Display on the Saccharomyces Cerevisiae Cell Surface for Ethanol Production

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BC015	0121	林俐齊	Lin L.C.(林俐齊), Wu C.Y.(吳芷芸), Tsai S.L.(蔡伸隆)*	臺灣科大	DEVELOPING AN INEXPENSIVE AND EFFECTIVE CADMIUM BIOASSAY
BC016	0122	呂盈霖	LU Y.L.(呂盈霖), Tsai S.L.(蔡伸隆)*	臺灣科大	Utilize an elastin-like polypeptide tag for capturing Outer membrane vesicles
BC017	0128	吳柏霆	Po-Ting Wu(吳柏霆), Chen Lin(林臻), Yu-Wei Tai(戴滄瑋), Chih-Chia Huang(黃志嘉) and Jiashing Yu(游佳欣)*	臺灣大學	Cu@polymer Nano-template for the Preparation of Drug Nano-vesicle as a Promising Photodynamic Therapeutic Agent
BC018	0131	劉政輝	Liu C.H. (劉政輝), Li H.F.(李幸芬), Higuchi A.(樋口亜紺)*	中央大學	hPSC Differentiation into Cardiomyocytes Cultured on Biomaterials Immobilized Nanosegments (ECMs and Oligopeptides)
BC019	0135	蔡東霖	Tung-Lin Tsai(蔡東霖)*, Chia-Lung Li(李佳龍), Shih-Hua Huang(黃世樺), Yue-Jun Wang(王躍鈞), Pei-Hua Wang(王珮驊), and Shih-Hsien Cheng(鄭詩仙)	財團法人金屬工業研究發展中心	The Mechanical Analysis of Improved Dynamic Hip Screw
BC020	0140	吳俊毅	Wen-Feng Sung (宋文峯) and Jiumn-Yih Wu (吳俊毅)	義守大學	Effect of Methionine Supplement on SAM Production in Fed-batch Cultivation
BC021	0144	賴浚銘	Jun-Ming Lai(賴浚銘), Jui-Che Lin(林睿哲)*	成功大學	Study of modification of titanium using synthesized copolymers with phosphonic acid and trimethylammonium functionality
BC022	0155	翁麗雯	Weng L.W.(翁麗雯)*, Tseng C.C.(曾俊傑), Wang Y.J.(王躍鈞), Huang H.H.(黃何雄), Sun Y.S.(孫瑛穗), Wang J.W.(王哲文), Cheng S.H.(鄭詩仙)	財團法人金屬工業研究發展中心	Develop to function of surface treatment promoting bone healed in Titanium implant.

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BC023	0164	鄭宇辰	Cheng Y.C.(鄭宇辰), Hsu C.C.(徐葭蓁), Wang N.Y.(王迺詒) and Lai J.T.(賴進此)*	財團法人食品工業發展研究所	Experimental design for Lactic Acid Bacteria Encapsulation by W/O/W
BC024	0167	王玉珍	MING-CHUN HSIEH*, YU-ZHEN WANG*, Tse-Hao Chen*, John Chi-Wei Lan	元智大學	Production of polyhydroxyalkonate from Ralstonia eutropha RH16 cellulose hydrolysis and corn steep liquor feedstock
BC025	0171	湯之彥	Jih-Yan Tang(湯之彥), Hsuan-Liang Liu(劉宜良)*, Yi Ho(何意)	臺北科大	Discovery of novel irreversible HER2 inhibitors for treating breast cancer
BC026	0189	李幸芬	Lee H.F. (李幸芬), Higuchi A. (樋口亞紺)*	中央大學	Reprogramming of Human MSCs into Human iPSCs Cultured on ECM-derived Oligopeptide Grafted Hydrogels Having Different Elasticity via Sendai Virus Transduction
BC027	0190	郭偉琪	Kuok W.K. (郭偉琪), Chen S.Y. (陳薪元), Wu C.W. (吳嘉文)*	臺灣大學	Synthesis of alginate-cysteine modified gold nanorods for photothermal therapy of oral cancer
BC028	0197	李孟蓓	Meng-Pei Li (李孟蓓), Hsing-Fen Li (李幸芬), and Akon Higuchi (樋口亞紺)*	中央大學	Proliferation of Human Pluripotent Stem Cells on Growth Factor-immobilized Surface under Xeno-free Conditions
BC029	0204	謝肇文	Chao-Wen Hsieh (謝肇文), Hsing-Fen Li (李幸芬), Akon Higuchi (樋口亞紺)*	中央大學	PLURIPOTENCY AND DIFFERENTIATION ABILITY OF HUMAN ADIPOSE-DERIVED STEM CELLS CULTURED IN 2-D AND 3-D CULTURE
BC030	0212	黃振煌	Huang J-H. (黃振煌), Nath P., Arefin A., Harris J. F., Balatsky K., Shou Y. and Iyer R*.	清華大學	PuLMo - A Miniature, Tissue-Engineered Lung
BC031	0233	魏伊辰	Wei.Y.C(魏伊辰), Weng.W.C(翁暉峻), Yao.C.L(姚少凌)*	元智大學	Induction of Human Dendritic Cells from Monocytes under Serum-Free Condition
BC032	0252	劉繼賢	Chi-Hsien Liu(劉繼賢)	長庚大學	Antibody Adsorption Phenomena by Magnetic Nanoparticles

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BC033	0262	梁智開	Liang C.K.(梁智開), Lin W.Z.(林文智), Yeh Y.W.(葉昱緯), Liu C.H.(劉正哲)* and Hou S.Y.(侯劭毅)*	臺北科大	Colorimetric detection of reactive oxygen species by Fenton reaction treatment
BC034	0272	洪振傑	Lin Cheng-Hsien(林政賢), Hong zhen-jie(洪振傑), and Hu Wei-Wen(胡威文)*	中央大學	Electrospinning of Polycaprolactone/Alginate Composite Nanofibers for Cancer Stem Cell Enrichment
BC035	0279	李玫樺	Cheng-Chih Lin(林承志), Hung-Yin Lin(林宏殷), Yi-Jin Chen(陳怡妘), Mei-Hwa Lee,*(李玫樺)	義守大學	Preparation Indirubin-Imprinted Chitosan Magnetic Composite Nanoparticles and Their inhibition of L2 Lung Cell Line
BC036	0281	李玫樺	Si-Ting Wang(王思婷), Kaihsi Liu(劉開璽), Hung-Yin Lin(林宏殷), Chuan-Ju Yang(楊絹如), Mei-Hwa Lee*(李玫樺)	義守大學	Preparation of Aluminum doped-zirconium Oxide Three-Dimesion Scaffold for Human Embryonic Kidney HEK293 Cell Growth
BC037	0286	陳柏銘	Po-Ming CHEN (陳柏銘), Wen-Yu PAN (潘玟仔), Yi-Hsuan TSAI (蔡侑軒), Yu-Rong WU (伍昱融), Hsing-Wen SUNG (宋信文)*	清華大學	An NIR-Absorbing Nanoparticle System Loaded with TLR-7/8 Ligand for Combinational Photothermal Immunotherapy
BC038	0291	郭欣慈	Hsin-Tzu Kuo, Chin-Chen Hsu, Jui-Chin Teng, Yu-Pei Lin, Wen-Chang Lu, Hou-Peng Wan*	工業技術研究院	Bioconversion of Glycerol to Docosahexaenoic Acid (DHA) by Vitreoscilla Hemoglobin (vgb) transgenic Aurantiochytrium sp.
BC039	0292	陳柏庭	Yu-Ze Dong (董育澤), Po Ting Chen (陳柏庭)*	南臺科大	Improvement of polyhydroxybutyrate production in Bacillus subtilis
BC040	0305	吳意珣	I-Son Ng (吳意珣)*, Ying-Hsin Hung (洪迎馨), Pei-Hsun Kao (高培勛), Shi-Yi Tan (譚世一)	成功大學	CRISPR/Cas9 nuclease cleavage enables marker-free genome editing in Escherichia coli: A sequential study
BC041	0308	施柏伍	Bo-Wu Shih(施柏伍), Hsu-Wei Fang(方旭偉)*	臺北科大	Investigating the tribological behaviors of soft contact lens in different lubricants

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BC042	0318	謝昃或	Ku-Yu Xieh (謝昃或), Chang-Zhi Lin (林昶志), Chao-Ling Yao ((姚少凌)*)	元智大學	The Cross Effect of Co-Culture of Human Mesenchymal Stem Cells and Endothelial Progenitor Cells on Aligned Polyhydroxyalkanoate Scaffold and Their Application for Blood Vessel Tissue Engineering
BC043	0329	張淳閔	Chun-Min Zhang(張淳閔), Chi-Hsien Liu(劉繼賢)*	長庚大學	Effect of Anti-aggregation Agents on Suspended Chinese Hamster Ovary Cells.
BC044	0330	蔡景丞	Tsai C.C. (蔡景丞), Chen H.Y. (陳信宇), Yu J.S. (游佳欣)*	臺灣大學	Human Adipose Stem Cell Spheroid Forming on Glycol Chitosan and Gelatin Hydrogel
BC045	0331	翁湘婷	Shiang-Ting Weng.(翁湘婷), Ching-Yun Chen.(陳靖昀), Jui-Sheng Sun.(孫瑞昇), Hsu-Wei Fang.(方旭偉)*, Feng-Huei Lin.(林峯輝)*	臺北科大	Using Preformed Ca-Alginate Scaffolds to Form Human Bone-like Tissues in Continuous Bioreactor System
BC046	0332	黃雪芳	HSUEH-FANG HUANG, YU-WEN HUNG, TZUNG-HAN CHOU, LI-HSIEN YEH, YU-SHEN CHENG*	雲林科大	Microencapsulation of α -galactosidase with pectin hydrogel extracted from Ficus awkeotsang Makino
BC047	0335	呂紹瑋	Lyu S.W. (呂紹瑋), Chao L. (趙玲)*	臺灣大學	Using Hypoosmotic Pressure to Obtain Native Plasma Membrane Vesicles from Cells
BC048	0338	郭權	Kuo Chuan1, Chi-Hsien Liu1*	長庚大學	Quercetin Nanoemulsion and Iontophoresis for Porcine Corneal Delivery: Effect of Electrode Materials
BC049	0339	劉庭穎	TING-YIN LIU, TZUNG-HAN CHOU, LI-HSIEN YEH, YU-SHEN CHENG*	雲林科大	In vitro biosynthesis of 3-hydroxypropionic acid from glucose
BC050	0341	劉育宏	Yu Hong Liu 1 and Chi-Hsien Liu 1,*	長庚大學	Cyclodextrin Inclusion Complex of Quercetin for Corneal Delivery
BC051	0346	劉易鑫	Yi-Xin Liu(劉易鑫), Chi-Hsien Liu(劉繼賢)*	長庚大學	Medium Optimization for Hybridoma Growth and Antibody Production
BC052	0348	郭茱妮	Monika Kumari(郭茱妮), Chi-Hsien Liu(劉繼賢)*	長庚大學	Gene Delivery by Using Polyethylenimine and Amino Acid Modified-Magnetic Nanoparticles

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BC053	0358	林意勝	Yi-Sheng Lin(林意勝), Shyue-Tsong Huang(黃學聰), Jinn-Tsyy Lai(賴進此), Shin-Kung Tseng(曾信光) Meei-Ju Yang(楊美珠)	財團法人食品工業發展研究所	Preparation of inoculum spores for mass production of Cordyceps militaris fruit body
BC054	0376	彭佳偉	彭佳偉, 吳和生*	元智大學	Production of Glucosamine Using Aspergillus sp. BCRC31742 Cultivated by Solid State fermentation
BC055	0395	張中彥	Chung-Yen Chang1(張中彥), Hung-Hsun Yen1(顏宏勳), Hui-Min David Wang1(王惠民)*	雲林科大	Novel biodegradable porous Scaffold for Tissue Engineering and Wound Repair
BC056	0399	周鑫佑	周鑫佑、王惠民*、侯自銓	高雄醫學大學	Astaxanthin reduces MMPs to suppress melanoma proliferation and trigger fibroblasts collagen production in vitro and in vivo
BC057	0404	張文銓	Chang W.C. (張文銓), Chou C.J. (周崇榮)*	中原大學	Immobilizing Lipase on Chitosan-graphene oxide to transesterified based membrane bioreactor
BC058	0405	吳宜哲	Wu, Yi-Je, Hank Chou*	中原大學	Anti-fouling and Biocompatibility Material of Chitosan/Graphene Oxide Membrane
BC059	0411	鍾珍賦	Chung C.F.(鍾珍賦), Lin S.C.(林世哲), Lin C.C.(林家騏), Kan S.C.(甘淑貞) and Liu Y.C.(劉永銓)*	中興大學	Characterization of cell surface displayed Candida antarctica lipase A in Escherichia coli using ice nucleation protein as an anchor motif
BC060	0425	康直夫	Kang Z.F.(康直夫), Liu R.H.(劉人漢), and Wu J.M.(吳誌明*)	中國文化大學	Enhancement of bacterial cellulose production from xylose by heterologous expression of xylose isomerase in Gluconacetobacter xylinus
BC061	0431	楊芳鏘	Huei-En Lin(林暉恩), Fan-Chiang Yang(楊芳鏘)	東海大學	Enhancement of triterpenoids formation in shake-flask culture of Antrodia cinnamomea by adding an elicitor
BC062	0436	唐誥羣	Tang Kao Chun(唐誥羣), Li Shing Tak(李承德) and Jiashing Yu*(游佳欣)	臺灣大學	Comparison of Cell Behaviour on Nanofibrous Surface with Different Orientation Properties

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BC063	0442	鐘崧桓	Sung-Huan Chung, Shu-Chen Kan and Yung-Chuan Liu 2,*	中興大學	Construction and production of recombinant mastoparans via the Ssp dnaB mini-intein system
BC064	0452	施志欣	Tsai C.H.(蔡奇勳), Liu C.Y.(劉政源) and Shih C.H.(施志欣)*	逢甲大學	Optimization of the portable and whole blood centrifugal analyzer for lipid panel testing
BC065	0458	楊量宇	Yang L.Y(楊量宇), Lin C.C(林家騏), Yap J.S.(葉佐珊) and Liu Y.C.(劉永銓)*	中興大學	Kinetic study for the recombinant cellulosomes produced by Bacillus subtilis WB800N with various cellulose substrates
BC066	0461	周大詮	Chou T.C(周大詮) and Chou,C(周崇榮)*	中原大學	Immobilizing Lipase on Chitosan Membrane and Application for Enzymatic Membrane Bioreactor
BC067	0471	吳和晉	Xiang Z.Y. (趙逸祥), Shih C.H.(施志欣)	逢甲大學	A DNA extraction platform on the disk using the sequential decanting
BC068	0472	朱雅郡	Chu Y.C. (朱雅郡), Fang H.W. (方旭偉), and Tseng C.L. (曾靖嫻)	臺北科大	Preparation of gelatin nanovector with gp91 peptide loading for corneal vascularization
BC069	0481	賈維森	Dizon G.V. (賈維森), Chou Y.N. (周盈年), and Chang Y. ((張雍)*)	中原大學	General Bio-Inert Control via Biomimetic Formula Anchoring of Zwitterionic Sulfobetaine Copolymers on Versatile Substrates
BC070	0484	賴敏文	Lai M.W. (賴敏文), Chang Y.* (張雍)*	中原大學	A Zwitterionic For Improved Thermal Tolerance And Its Hemocompatibility
BC071	0485	高靜君	Ching-Chun Kao(高靜君), Meng-Jiy Wang(王孟菊)*	臺灣科大	Preparation of polypyrrole thin film by plasma polymerization for biomaterial applications
BC072	0490	張明文	Adi Tama Nugraha and Meng-Jiy Wang*	National Taiwan University of Science and Technology	Polymerization of Lactic Acid by Plasma Assisted Ring Opening Polymerization
BC074	0496	周崇榮	Chou C.J. (周崇榮)*, Chen Y.D. (陳育德), and Hung W.S. (洪維崧)	中原大學	A kinetic study of immobilized lipase on chitosan-graphene oxide composite membrane
BC075	0508	唐碩禧	Tang S.H. (唐碩禧), Chang Y. ((張雍)*)	中原大學	Air stable PS-co-P4VP based zwitterionic copolymer and its antifouling properties

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BC076	0509	牛登彥	Lu H.C.(盧信冲)*, Chen H.C.(陳學駿), Niou D.Y.(牛登彥), Huang Y.P.(黃玉萍), Wang C.Y.(王鐘毅), Chaou C.H.(趙從賢)	長庚大學	Fabrication of Amorphous Indium Gallium Zinc Oxide Thin Film Transistors by rf magnetron sputtering
BC077	0512	孫亦增	Sun Y.Z. (孫亦增) and Wang M.J. (王孟菊)*	臺灣科大	Synthesized zwitterionic polymer for antifouling by plasma polymerization
BC078	0518	周鑫佑	周鑫佑、王惠民*、 侯自銓	高雄醫學大學	Astaxanthin reduces MMPs to suppress melanoma proliferation and trigger fibroblasts collagen production in vitro and in vivo
BC079	0524	黃煜勛	Huang Y.S.(黃煜勛), Lin G.T.(林冠廷),and Wu J.C.(吳瑞璋)	中原大學	Rapid Detection of Gene sequence HLA-Cw1602 Using Lateral-flow Immunochromatographic Assay
BC080	0525	程淑如	Heng-Long Wang, Jung-Che Chang, Li-Wen Fang, Hsia-Fen Hsu, Tzu-Hsien Chang, Shu-Ru Cheng and Jer-Yiing Houng*	義守大學	Inhibitory effects of Palo Santo essential oil on the proliferation of human lung cancer cells
BC081	0544	劉坤湘	Liu K.H. (劉坤湘), Ho W.Y. (何文岳), Lu Y.C. (盧郁淳), Lue S.C. (呂尚謙), Wang C.C.C. (王嘉駿), Lee K.H. (李冠漢*)	嘉南藥理大學	The antioxidant capacity of secondary metabolites produced in a semi-biosynthetic system from <i>Aspergillus terreus</i>
BC082	0549	何國淵	He G.Y. (何國淵), Lin Y.K. (林育楷), Chen M.C.(陳美瑾)*	成功大學	Hyaluronic acid microneedles containing PLGA micro-particles as a dual-drug transdermal delivery system for long-term treatment of osteoporosis
BC083	0556	呂宜錚	Lu, Y.C.(呂宜錚), Huang, S.H., Wang, R.Y., Jie, J.J., Wu, Z.R., Tsou, C.Y., Yang, M.C., Su, C.H., Tsou, C.H.*	臺灣科大	Preparation and Properties of Poly(lactic acid)/ Carbon Nanotube-silver Nanocomposite
BC084	0559	張睿	Ray Chang, Wei-Bor Tsai*	臺灣大學	Photo-induced thermal-responsive nanogels for controlled drug release

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BC086	0570	官振禹	Zhen-Yu Guan, Hsien-Yeh Chen*	臺灣大學	Displaceable Biointerface Properties by Using Disulfide-Functionalized Poly-p-xylylene Coatings
BC087	0572	吳治宇	Chih-Yu Wu and Hsien-Yeh Chen*	臺灣大學	Tunable Surface Densities of Immobilized Biomolecules for Advanced Biomaterials Design
BC088	0576	侯素君	Su-Chun How, Chien-Ting Li, Chun-Hsien Lo, Min-Chih Chun, Chih-Kai Chang, Wei-An Chen, Josephine W. Wu,* and Steven S.-S.	臺灣大學	Effects of Glycation on Human α D-Crystallin Proteins by Different Glycation-Inducing Agents
BC089	0578	蔡亞庭	Ya-Ting Tsai 1, Hsien-Yeh Chen 2*	臺灣大學	Enhanced Bone Morphogenic Property of Parylene-C
BC090	0579	黃俊穎	Huang C.Y.(黃俊穎)	中興大學	Enriched Astaxanthin Extract from Haematococcus pluvialis Augments Growth Factor Secretions to Increase Cell Proliferation and Induces MMP1 Degradation to Enhance Collagen Production in Human Dermal Fibroblasts
BC091	0580	鄭雅云	Ya-yun Zheng(鄭雅云), Sz-Hau Chu(朱思濤), Lin-Chuan Wang(王琳瑁), Chun-Jen Huang*(黃俊仁), Chien-Hung Li, T. Randall Lee	中央大學	BIO-INSPIRED ZWITTERIONIC ASSEMBLIES FOR ROBUST ANTIFOULING COATINGS
BC092	0582	張煜光	Lee Y.H (李宇涵), Lo C.Y. (羅芊懿), and Chang Y.K. (張煜光)	明志科大	Adsorption of Lysozyme by Using Modified Dye Affinity Nanofiber Membrane
BC094	0586	吳政諭	Jheng-Yu Wu, Shih-Cheng Hong and Yu-Kaung Chang*	明志科大	Direct Recovery of Malate Dehydrogenase from Unclarified Yeast Cell Homogenate Using Dye Affinity Chromatography in Stirred Fluidized Bed
BC095	0597	范玉珍	MOST-104-2221-E-008-108	中央大學	A Versatile Approach to Antifouling and Substrate-independent coatings via Assembly of Metal-Phenolic Networks

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報告編號	論文編號	報告作者	共同作者	單位	論文題目
BC096	0609	王敏盈	Sheng-Tse Liu (劉聖哲), Gary Ro-Lin Chang (張若麟), Ling-Yu Huang(黃齡玉), Su-Yuan Lai(賴素媛), and Min-Ying Wang(王敏盈)*	中興大學	Growth of Infectious Bursal Disease Virus in DF-1 Cells and Downstream virus Purification
BC097	0613	劉藝	Yi Liu	臺灣大學	Fabrication of Gelatin-Based Adhesives with Various Crosslinking Mechanism
BC098	0640	謝欣如	Hsin-Ju Hsieha*, Yu-Ju Lin, Ya-Lin Lin	工研院	Synthesis of dodecanedioic acid based on an engineered CYP153A complex construct
BC099	0645	陳冠蓉	Chen K.J. (陳冠蓉), Wu Y.T. (巫宜庭) and Lee C.K. (李振綱)*	臺灣科大	Enhancement of Soluble Expression of Fructosyl Peptide Oxidase Through the Use of Cellulose Binding Domain as Fusion Tag
BC100	0651	王亘黼	Wang H.F. (王亘黼), Hu C.C. (胡啓章), Huang K.P. (黃昆平)*	工業技術研究院	Anti-bacteria property of hetero atom doped graphene
BC101	0655	曾映瑄	Ying-Shuiian Tseng, Jing-Yi Guo and Wen-Chien Lee*	中正大學	Over-expression of Keratinase from Bacillus halodurans for the Digestion of Proteins in the Residues of Oil Extraction
BC102	0658	鄭凱如	Jheng K.R.(鄭凱如) and Chen H.M.(陳秀美)*	臺灣科大	Effects of material binding on the photocurrent responses purple membrane-coated electrodes
BC103	0664	吳緯晟	Wei-Cheng Wu (吳緯晟), Lu Ki Ong, and Yi-Hsu Ju (朱義旭)*	臺灣科大	Separation and identification of bioactive compounds from sarang semut (Myrmecodia pendan)
BC104	0667	謝孟軒	Hsieh M. H. (謝孟軒), Huang C. C. (黃玠誠), Hu H. Y. (胡心禕), Wei H. J. (魏皓智), Lin K. J. (林昆儒), Wu S. Y. (吳淞鎰), Chang Y. (張燕), Sung H. W.(宋信文)	清華大學	Exogenous Delivery of Hydrogen Sulfide by DATS-loaded PLGA Microparticles for the Treatment of Ischemic Disease
BC105	0668	劉俊敏	吳石乙*, 劉俊敏, 尤仁佑, 李辰寬, 林聖凱, 何瑩瑩	逢甲大學	Sequential production of bacterial cellulose in two-stage bioreactors

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BC106	0671	吳建融	Wu J.R.(吳建融), Lin C.C.*(林其昌), Chen H.P.(陳昊朋), Tsai X.Y.(蔡欣燕)	東海大學	Ag-HA-SERS filter for DTNB
BC107	0674	邱俊諺	Chiu J.Y.(邱俊諺), Kuo C.Y.(郭哲宇) and Lin C.C.(林其昌)*	東海大學	Study of gellan gum/gamma-polyglutamic acid and glycerol composited membrane for guide bone regeneration
BC109	0685	李荃	Lee C.(李荃)	長庚大學	Studies on the Immobilization System and the Temperature Conditions of Co-immobilized Microorganism Culture Producing Bio-butanol
BC111	0714	曾文祺	Yi-Hao Huang, Jhe-Yu Lee, Wen-Chi Tseng*	臺灣科大	Fibroblast growth study on gelatin/cyanophycin composite scaffolds
BC112	0718	潘文琪	PAN W.C. (潘文琪), WANG F.S. (王逢盛)*	中正大學	Systems biology approaches for deciphering genome-scale metabolic model of human cell: Case study in hepatocyte
BC113	0728	陳婉茹	Wan-Ju Chen and Lin-Chi Chen.*	臺灣大學	A study of MUC1 aptamer as a cancer targeting agent and therapeutic drug

熱力與界面科學

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TS001	0030	黃莉貽	Huang L.Y. (黃莉貽), Chen T.C. (陳姿潔) and Chen B.H. (陳炳宏)*	成功大學	Study on Extraction of Lignans from Flaxseed by Micellar Solutions of Food-Grade Surfactants
TS002	0033	陳利強	Chen L. C.(陳利強)*, Lin C. W.(林昭維), Liu Y. C.(劉宇強), Chen Y. C.(陳郁智), Liu S. G.(劉旭展), Lei J. H.(雷 家豪), and Tseng K. W.(曾凱文)	明新科大	The Characteristics Improvement of Adding Soapberry Extract Solution in Coconut Oil/Olive Oil Handmade Soaps
TS003	0038	周玉蕙	Chen Wen-Jang* (陳文章*)、Chen Wei-Chih (陳威志)、Chen Pei Xu (陳沛旭)、Zhou Yu-Hui (周玉蕙)	臺北科大	Application of laccase-catalyzed dyeing of wool by natural phenolic coloring agent with antioxidative properties
TS004	0049	翁于軒	Yu-Hsuan Weng, Yu-Jane Sheng*	臺灣大學	Molecular Simulation of Physical Properties for Light Shield Ink
TS005	0084	王俊為	Chiu T.C. (邱子秦), Hsieh Y.L. (謝佑翎), Wang C.W. (王俊為), Yang T.Y. (楊宗穎) and Yang Y.M. (楊毓民)*	成功大學	Fluorescence Polarization Study on Bilayer Membrane Rigidity of Ethosome-Like Catanionic Vesicles
TS006	0115	周芳群	Fang-Chun Chou* , Fu-Cheng Lee , Yi-Fu Lu , Chung-Fu Cheng, Rong-Ming Ho, and De-Hao Tsai	清華大學	Mechanistic Study of Gas-Phase Controlled Synthesis of Copper Oxide-Based Hybrid Nanoparticle for CO Oxidation
TS007	0116	陳怡臻	Yi-Chen Chen , Chao-Shun Lai and De-Hao Tsai *	清華大學	Gas-Phase Self-Assembly of Uniform Silica Nanostructures Decorated and Doped with Silver Nanoparticles
TS008	0138	田武釗	Wu Jhao Tien, Bor Kae Chang*	中央大學	Methane Adsorption on MIL-53(Al) - a First Principles Computational Study
TS009	0146	鄭治倫	Chih-Lun Cheng and Gui-Bing Hong*	臺北科大	Optimisation of antioxidant extraction from Litsea cubeba seeds by response surface methodology
TS010	0147	楊景翔	Jing-Xiang Yang and Gui-Bing Hong*	臺北科大	Antioxidant extraction from Glossogyne tenuifolia by solvent extraction

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TS011	0210	張威昌	Wei-Chang Chang, De-Hao Tsai	清華大學	Surface PEGylation of Silver Nanoparticles: Kinetics of Simultaneous Surface Dissolution and Molecular Desorption
TS012	0222	王宏立	Hong-Li Wang , Yi-Chen Chen , Tung-Yu Tsai and De-Hao Tsai*	清華大學	Noble metal-TiO ₂ Hybrid Nanoparticle Clusters and the Interaction to Proteins for Photocatalysis in Aqueous Environments
TS013	0224	葉昕	Yeh H. (葉昕), Lai Y.C. (賴彥志), Chang W.C. (張威昌), Tsai D.H. (蔡德豪*)	清華大學	Investigating Colloidal Metal-Organic Frameworks using Electrospray-differential Mobility Analysis: Thermal Stability and Chemical Stability
TS014	0244	邱鈺婷	U-Ting Chiu(邱鈺婷), Ling Chao(趙玲)*	臺灣大學	Using a Light-Driven Proton Pump Protein to Develop an Reduction-Oxidation Reaction Cell
TS015	0282	羅嘉喜	Lo C.H. (羅嘉喜), Yu C.C. (游竣傑), Su Y.S. (蘇彥韶) and Yeh L.H. (葉禮賢)*	雲林科大	Asymmetric Chemical Modification of Alumina Nanochannels Reveals High Current Rectification
TS016	0297	楊子慶	Tsu-ching Yang (楊子慶) and Sinn-wen Chen*(陳信文)	清華大學	Interfacial reaction in transient liquid phase bonding of Cu/In/Co
TS017	0302	蔡德華	I-Hung Hsiao (蕭宜弘) and Teh-Hua Tsai (蔡德華)*	臺北科大	The extraction of ytterbium with acidic extractant
TS018	0309	田慶安	Tian C.-A. (田慶安) and Chiu C.-C. (邱繼正)*	成功大學	Characterization of Ion Pair Amphiphile Bilayer Phase Behavior and Vesicle Formation via Coarse-Grained Molecular Dynamics Simulations
TS019	0310	張鑑祥	Yu-Ching Su, Chia-Chi Chang, Yu-Ting Wang and Chien-Hsiang Chang*	成功大學	Fabrication and Physical Stability Control of Novel Catanionic Vesicles
TS020	0319	陳崇毅	Chen C.Y.(陳崇毅) and Hsieh C.-M.(謝介銘*)	中央大學	Prediction of Solid-Liquid-Gas Equilibrium for Binary Mixtures of Organic Compounds + Carbon Dioxide
TS021	0320	李建億	Li J.Y. (李建億) and Hsieh C.M. (謝介銘)*	中央大學	Revisit temperature dependence of dispersion free energy term in the PR+COSMOSAC EOS
TS022	0321	陳昆佑	Chen K.Y.(陳昆佑), Huang F.Y. (黃楓引), and Chiu C.C. (邱繼正)*	成功大學	Cholesterol Effects on Water Permeability through Rigid Ion Pair Amphiphile Bilayers

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TS023	0327	吳奇鴻	Chi-Hung Wu(吳奇鴻), Yu-Chin Chang(張瑜晉), and Chieh-Ming Hsieh(謝介銘)*	中央大學	Isobaric Vapor-Liquid Equilibrium for Binary Mixtures of Diethyl Carbonate + Low Molecular Weight Alcohols
TS024	0333	李韋勳	Lee.W.H(李韋勳), Chen. C.H(陳振豪), Chiu C.C((邱繼正)*)	成功大學	Effects of Cholesterol on the Structural, Dynamical, and Phase Properties of Ion Pair Amphiphile Bilayers
TS025	0359	何光翰	He G.H. (何光翰), Chou T.H (周宗翰)*	雲林科大	Formulation Development of Avocado oil- and Palm kernel oil-Nanoemulsions Prepared with Ascorbyl Palmitate
TS026	0364	王俊翔	Wang C.H.(王俊翔), Chou T.H.(周宗翰), and Yeh L.H.(葉禮賢)*	雲林科大	Simultaneous Determination of the Size and Zeta Potential of Soft Nanoparticles by the Nanopore Sensing Technique
TS027	0369	朱孫孝	Sun-Siao Jhu(朱孫孝),Cyun-Jhe Yan(顏群哲),Chin-Cheng Chen(陳進成)*, Franklin Chau-Nan Hong(洪昭南)*	成功大學	Fabrication of Slippery Liquid-Infuse Porous/Textured SiO ₂ Surface by Spraying and Electrospinning.
TS028	0370	鄭景鴻	鄭景鴻,汪上曉*	清華大學	Screening and Testing of Carbon Dioxide Absorbent Solutions with Low Energy Consumption
TS029	0372	鐘婉瑜	Chung W.Y. (鐘婉瑜), Liao Y.C.(廖英志)*	臺灣大學	Synthesis of Silver Nanoplates with Large Lateral Size
TS030	0374	林昞曄	Kai-Tse Cheng(鄭凱澤), Ang-Yen Lin(林昞曄), Sin-Chang Chen(陳信昌), Che-Hung Kuo(郭哲宏), Hung-Wei Tsui(崔宏瑋),*	臺北科大	Elucidation of solvent effects of adsorption mechanisms with distinct functional groups on amylose tris(3,5-dichlorophenylcarbamate)-based sorbent
TS031	0379	黃郁萍	Yu Ping Huang (黃郁萍), Tzung-Han Chou (周宗翰)	雲林科大	The development of compound B nanoaggregates as active carriers for drug
TS032	0381	柯甯尹	Ning-Yin Ke(柯甯尹), Tzung-Han Chou(周宗翰)*	雲林科大	Estimation of a Drug Carrier Formed by Dialkyldimethylammonium bromides and Stearic acid
TS033	0418	林駿熙	Chon Hei Lam and Dun-Yen Kang*	臺灣大學	Facile Synthesis of Highly Monodispersed Single-Walled Aluminosilicate Nanotubes for Ultra-Low-k Thin Films
TS034	0426	蔡德華	Kai-Wei Hsiao (蕭凱威) and Teh-Hua Tsai (蔡德華)*	臺北科大	The adsorption of copper ion with chelating resin

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TS035	0448	吳俊德	Wu C.T. (吳俊德) and Kuo Y.K. (郭養國)	國家中山科學研究院	Improving the interface stress between AlN substrate and copper film
TS036	0453	林政佑	Lin C.Y. (林政佑), Wu C.J. (吳權璋), Sheng Y.J. (譚玉真), Tsao H.K. (曹恆光)*	中央大學	Wetting Behavior and Bubble Motion on a Nanofiltration Membrane Immersed in Water
TS037	0499	王姿妤	Wang T.C., Wu C.J., Sheng Y.J.*, and Tsao H.K.*	中央大學	Gravity-Enhanced Spontaneous Spreading on Total Wetting Sulfobetaine Silane Surfaces
TS038	0500	馬英莎	Maharsih I.K., Wu C.J., Sheng Y.J.*, Tsao H.K.*	National Central University	Sliding Motion of Liquid Drops on the Superhydrophobic Surface and Oil-infused Surface
TS039	0501	陳世明	Shih H.L. (施弘倫), Chern S.M. (陳世明)*	義守大學	Thermal Decomposition of Glycerol at Elevated Temperatures
TS040	0506	謝逸凡	Hsieh Y.F. (謝逸凡), Chang C.C. (張正忠), Wu C.J. (吳權璋), Sheng Y.J. (譚玉真), Tsao H.K. (曹恆光)	臺灣大學	Resisting and Pinning of a Nanodrop by Trenches on a Hysteresis-Free Surface
TS041	0519	蘇至善	楊鎮宇, 黃于哲, 蘇至善*	臺北科大	Recrystallization of salicylamide using ultrasonic crystallization
TS042	0520	蘇至善	顏世國, 胡維勳, 蘇至善*	臺北科大	Solid-state property modification of isoniazid using cooling sonocrystallization
TS043	0540	吳宜芳	Wu Y.F. (吳宜芳), Chen C.C. (陳志吉)*	中原大學	Interfacial Reactions in Sn-Cu/Co-Fe Couples
TS044	0545	魏家昱	Chia-Yu Wei (魏家昱), Chih-chi Chen* (陳志吉)	中原大學	Interfacial Reactions between Sn-Zn-Cu Solders and Co-Fe Alloy Substrates
TS045	0571	陳儀帆	Fan Z. -A. (樊子安), Tsang K. -Y. (臧冠遇), Chen S. -H. (陳思翰) and Chen Y. -F. (陳儀帆)*	中央大學	Revisit the Correlation between the Elastic Mechanics and Fusion of Lipid Membranes
TS046	0599	范子軒	Tzu-Hsien Fan (范子軒), Hou-Jun Guo (郭厚均), and Chih-Chen Hsieh (謝之真)*	臺灣大學	Research on the Mechanism DNA Stretching on Grooved Lipid Bilayers
TS047	0600	張名熠	Ming-Yi Chang (張名熠), Ching-Kuan Wang (王靜寬), and Chih-Chen Hsieh (謝之真)*	臺灣大學	Using Brownian Dynamics to Simulate the Spontaneous Unravelling of DNA on Lipid Bilayers

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TS048	0607	徐惟祥	Hsu W.S. (徐惟祥), Wu C.J. (吳權璋), Sheng Y.J. (諶玉真), Tsao H.K. (曹恆光)*	中央大學	Effects of surface roughness and wettability on total wetting behavior of a nanodrop
TS049	0611	吳權璋	Wu C.J. (吳權璋), Sheng Y.J. (諶玉真), Tsao H.K. (曹恆光)*	中央大學	Hysteresis-free Behavior of a Water Droplet Containing Solutes with Ethylene Oxide Groups on the Sulfobetaine Surface
TS050	0621	林華愷	H.K. Lin(林華愷), C.W. Lan(藍崇文)*	臺灣大學	Revisiting the twinning mechanism in directional solidification of silicon sheet
TS051	0623	林華愷	Tapas Jain(詹德培), G.Y. Chen(陳冠穎), H.K. Lin(林華愷), C.W. Lan(藍崇文)*	臺灣大學	Phase-field modeling of twin-related faceted dendrite growth of silicon
TS052	0643	黃莉貽	Yang P.T.(楊沛子), Chen T.C.(陳姿潔) and Chen B.H.(陳炳宏)	成功大學	Lignans Extracted from Flaxseed with Alkaline Solutions of Methanol and Ethanol
TS053	0646	鄭旭呈	Shiuh-Cherng Cheng, Wei-Chang Chang, Yen-Chih Lai, Jui-Ting Tai, Thai-Phuong Nguyen, Rong-Ming Ho, De-Hao Tsai	清華大學	Nanosheet Graphene Oxides and their Hybrids using gas-phase electrophoresis
TS054	0657	朱雅琪	Ya-Qi Zhu	萬能科大	Preparation and Surface Properties of Quercetin/Hyaluronic Acid type Surfactants
TS055	0708	曾梨子	Muoi Tang (曾梨子)	中國文化大學	Synthesis of a Temperature and pH-Sensitive Copolymer Using the Supercritical Fluid Technology
TS056	0709	陳延平	Yan-Ping Chen (陳延平)	臺灣大學	Improvement of High Value Active Pharmaceutical Ingredients Using the Cleaner Supercritical Fluid Technolog
TS057	0733	周美秀	Hsieh M.L., Chou M.H., and Chiang A.S.T.*	中央大學	Wear-resistant and transparent film with easy-cleaning surface on glass

電化學技術

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報告編號	論文編號	報告作者	共同作者	單位	論文題目
EC001	0726	陳裕夫	Yu-Fu Chen(陳裕夫) and Lin-Chi Chen(陳林祈)*	臺灣大學	The effect of polyaniline solid contact deposition rate on sodium ion sensing
EC002	0724	吳伊敏	Yi-Min Wu (吳伊敏) and Lin-Chi Chen (陳林祈)*	臺灣大學	Study of Polyaniline / Prussian Blue bilayer for Potassium Ion-Selective Electrode
EC003	0719	劉偉仁	Irish Valerie B. Maggay(馬艾利), Lyn Marie De Juan, Nguyen Thanh Mai, Tetsu Yonezawa(米澤徹) and Wei-Ren Liu(劉偉仁)	中原大學	High Performance ZnV ₂ O ₄ as Anode Material for Lithium Ion Batteries
EC004	0717	顏敬容	Yen C.Y. (顏敬容) and Chen L.C.(陳林祈)*	臺灣大學	Effect of Electrochemical Treatment of Solid Contact on Nitrate Ion Sensing Performance
EC005	0710	季宇文	Chi Yu-Wen(季宇文), Huang Kuen-Ping(黃昆平) and Hu Chi-Chang(胡啓章)	清華大學	A High-Voltage EDLCs Using Vertical graphene Nanowalls
EC006	0706	張鈞量	Chou Y.S. (周宜欣), Yen S.C. (顏溪成)*, Chang C.L. (張鈞量) and Wu M.H. (吳明修)	行政院原子能委員會核能研究所	Fabrication of ruthenium thin film and characterization of its chemical mechanical polishing process
EC007	0698	劉偉仁	Rasu Muruganatham(莫魯根), Tai-Feng Hung(洪太峰) and Wei-Ren Liu(劉偉仁)	中原大學	Synthesis and Characterization of Bismuth Vanadate as a New Anode Material for Sodium-Ion Batteries
EC009	0690	金建廷	Jin J.T. (金建廷), and Wu N.L. (吳乃立)*	臺灣大學	High Performance of Lithium-Sulfur Full Cell with lithiated Silicon-Based Anode and Sulfur-PAN Cathode
EC010	0687	顏詠哲	Yen Yung-Che, Yang Wei-Cheng, Sun I-Wen*	成功大學	Pyrrolidinium-based ionic liquids as electrolytes for lithium ion batteries using graphite electrodes
EC011	0682	戴世宣	Shih Hsuan Tai(戴世宣), Bor Kae Chang(張博凱)*	中央大學	Ab Initio Study of Oxygen Reduction Reaction Potential of Nitrogen-Doped Graphene
EC012	0678	林淑娟	Lim S.C. (林淑娟), Lin H.P. (林炫朋), Hsu Y.Z. (徐耀宗), and Tuan H.Y. (段興宇)*	清華大學	General synthesis of halides, perovskite-like, and perovskite-derivative nanostructures
EC013	0665	林韓勳	Wei-Hsun Lin, I-Ping Liu, Yi-Chen Hou, Yuh-Lang Lee*	成功大學	A Low-Cost Carbon Catalyst for the Dye-Sensitized Solar Cell Using a Cobalt Complex Mediator

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EC014	0659	周哲宇	Chou C.Y. (周哲宇), Tsai C.A.(蔡崇安), Yen S.C.(顏溪成)*	臺灣大學	The study of improvement to polish pad and slurry on Cu/Ru Chemical Mechanical Polishing
EC015	0656	傅聖勛	Fu S.X.(傅聖勛), Liu I.P.(劉一平), Wang C.T.(王振擇), Lee Y.L(李玉郎)*	成功大學	Adsorption Behavior and Electrochemical Characteristics of Alkylamine Molecules Self-Assembled on Au(111) Surface
EC016	0649	黃聖翔	Huang S.S. (黃聖翔), Weng Y.T. (翁郁婷), Chuang C.H. (莊忠憲), Lee J.F. (李志甫), and Wu N.L. (吳乃立)*	臺灣大學	Novel Ti4O7/MnO2 Pseudocapacitive Composite for High Energy Density Supercapacitors
EC017	0648	葛明德	陳苑蓉、李九龍、許宏華、簡順億、呂承恩、葛明德*	國郎大學	Preparation of high uniform anti-sticking ceramic like coatings at the minimally invasive surgical instruments by electrodeposition process
EC018	0630	潘敬威	潘敬威*、張晉瑜、林正裕	大同大學	Electrodeposition of molybdenum disulfides as counter electrodes for dye-sensitized solar cells
EC019	0629	潘敬威	Pan Jing-Wei* ,Yaoming Xiao and Jeng-Yu Lin	大同大學	High-performance dye-sensitized solar cells based on three-dimensional hollow Pt-Nibimetallic nanoframes counter electrodes
EC020	0620	陳穎盈	陳穎盈、周舒韡、黃政昌、林正裕*	大同大學	Pulse-reversal deposition of the nanostructured architectures of transition metal sulfides:mechanism investigation, nanostructure design and their applications
EC021	0619	凡恩森	Vinh Nguyen Son, Yogesh Tingare, Hsien-Hsin Chou, Yu-Chieh Liu, Chen-Yu Yeh and Tzu-Chien Wei*	清華大學	Highly- efficient anthracene dye-sensitized solar cells under dim light
EC022	0615	蘇子森	Tzu-Sen Su, Tsung-Yu Hsieh, Tzu-Chien Wei*	清華大學	Electrodeposited TiO2 Blocking Layers for Efficient Perovskite Solar Cells
EC023	0614	言紹榮	Shou-Rong Yan and Tai-Chou Lee*	中央大學	Deep eutectic solvents based on ethylene glycol as electrolytes for sodium-ion batteries
EC024	0605	蔡宜宏	Tsai Y. H. (蔡宜宏) Lin J. Y. (林正裕) Luo Y. S. (羅宇舜)	大同大學	Fabrication asymmetric supercapacitors by using the electrodeposited method to prepare the electrode

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EC025	0604	林思羽	Ssu-yu Lin, Tzu-Sen Su, Tsung-Yu Hsien, Tzu Chien Wei*	清華大學	Developing a Suitable TiO ₂ Electrodeposition Process for Vulnerable ITO-PEN for Efficient Plastic Perovskite Solar Cell
EC026	0598	謝宗育	Tsung-Yu Hsieh, Chi-Kai Huang, Tzu-Sen, Su, Cheng-You Hong and Tzu-Chien Wei*	清華大學	Evolution of Methylammonium Lead Iodide Crystal in Sequential Deposition
EC027	0594	王景暉	Guo Y.B.(郭裕斌), Wang J.H.(王景暉), Wang S.H.(王詩涵)* and Ger M.D.(葛明德)	義守大學	Pt/RGO Nanocomposites for Electrochemical Sensing of Hydrogen Peroxide
EC028	0591	蔡曜宇	Yao-Yu Tsai 1 *Chih-Ping Chen 1 Chun-Ying Chiang 1	明志科大	High-Performance, Robust Stretchability, Organic Photovoltaics
EC029	0590	劉宇傑	Yu-Chieh Liu (劉宇傑), Tzu-Chien Wei (衛子健)*	清華大學	Investigating the Effect of HTM Composition on the Photovoltaic Performance of Solid State Dye-Sensitized Solar Cell
EC030	0588	許祐愷	Hsu Y.K.(許祐愷), Lin T.W.(林宗吾), Hsiao M.C.(蕭閔謙), Chou S.W.(周舒韡) and Lin J.Y.(林正裕)*	大同大學	Carbon Nanotube Decorated with Nickel-Cobalt Sulfides as Cathode Materials for Hybrid Supercapacitors
EC031	0587	蘇靖棠	Su J.T. (蘇靖棠), Lee C.Y. (李承堯), Huang C.C. (黃俊誠), Lin J.Y. (林正裕)*	大同大學	Investigation of sulfone-based electrolyte additive on electrochemical properties of Li ₄ Ti ₅ O ₁₂ anode materials
EC032	0583	章景睿	Ching-Jui Chang(章景睿), Tzu-Chien Wei(衛子健)*	清華大學	Improving the Adhesion of Electroless-plated Copper onto Ajinomoto Build-up Film by Silane-surfaced Modification
EC033	0577	陳凱翔	Cheng H.C.(鄭皓謙), Chen K.S.(陳凱翔), Lee K.M.(李坤穆)*	中央大學	Effect of Electrodeposition Current of PbO ₂ Film on the Performance of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells
EC034	0575	陳凱翔	Liou B.Y.(劉柏毅), Cheng H.C.(鄭皓謙), Chen K.S.(陳凱翔), Wang K.H.(王凱弘), Lee K.M.(李坤穆)*	中央大學	Investigation the influence of the antisolvents on the performance of the perovskite solar cells
EC035	0574	江炳煌	Bing-Huang Jiang , and Chih-Ping Chen *	明志科大	The effect of conjugated side chains on photovoltaic performance of Indacenodithiophene-based low-bandgap conjugated polymers

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報告編號	論文編號	報告作者	共同作者	單位	論文題目
EC036	0573	王偉彥	Wei-Yan Wang (王偉彥*), Kuan-Ting Wang (王冠婷) and Tzu-Chien Wei (衛子健)	清華大學	The effect of different types of aminosilane-compound modification on silicon wafer and its influence on the adhesion of electroless nickel/phosphorous film
EC037	0569	林威志	Lin W.J(林威志), Huang S.H.(黃詩翰), Lee K.M.*(李坤穆)*	中央大學	The photovoltaic performance of dye-sensitized solar sub-module (100 cm ²) under different light sources and light intensities
EC038	0568	林威志	Lin W.J(林威志), Huang S.H.(黃詩翰), Lee K.M.*(李坤穆)*	中央大學	High efficiency and Stable dye-sensitized solar module
EC039	0566	丁于倩	Yu-Chien Ting*, Tzu-Chien Wei	清華大學	Impedance Spectroscopic Analysis of the Effect of Nb-doped TiO ₂ in Perovskite Solar Cells
EC040	0565	呂曼寧	Lu M.N. (呂曼寧), and Wei T.C. (衛子健)*	清華大學	Adjustable Transparency PVP-capped Pt Counter Electrode for Dim Light Optimized Dye-Sensitized Solar Cell
EC041	0564	李依平	Lee I.P.(李依平), Wei T.C.(衛子健)*	清華大學	Simple and Reproducible NO ₂ gas sensor based on polymer-exfoliated graphene nanoplatelets
EC042	0561	杜景順	Zhou Y.S. (周義勝), Do J.S. (杜景順)*	勤益科大	Sensing properties of carbon monoxide gas sensor based on modified PANi/Au/Al ₂ O ₃ sensing electrode
EC043	0555	邱泓鈞	Chiu H.C.(邱泓鈞), Lin C.Y.(林家裕)*	成功大學	Doped iron oxide with high activity towards electrocatalytic water oxidation in neutral electrolyte
EC045	0553	林煒傑	Wei-Jie Lin(林煒傑) 1, and Yu-Chen Tsai1*(蔡毓楨)	中興大學	GRAPHENE QUANTUM DOTS MODIFIED GOLD ELECTRODES TO DETECT HYDROGEN PEROXIDE
EC046	0542	杜景順	Jing-Shan Do*(杜景順), Sung-Lin Yeh(葉松霖) and Ming-Liao Tsai(蔡明瞭)	勤益科大	Mixture Design for Improving the Sensing Properties of Conductometric Hydrogen Gas Sensor Based on Polyaniline-TiO ₂ Composite Film
EC047	0541	許若蓓	Jo-Pei Hsu (許若蓓) and Chien-Te Hsieh*(謝建德)	元智大學	The Spinel Li ₄ Ti ₅ O ₁₂ Anode for Rechargeable Mg-ion Batteries
EC048	0539	陳佩琪	Pei-Qi Chen and Chien-Te Hsieh*	元智大學	Synthesis of High-Voltage C/LiMn _{0.8} Fe _{0.2} PO ₄ Cathode Materials for Lithium Ion Batteries
EC049	0513	黃郁淇	Yu-Chi Huang 1 and Tzi-Yi Wu 1,*	雲林科大	Conjugated Polymer in Composite Counter Electrodes of DSSCs
EC050	0488	雷絮羽	Lu H.C.*, Li Z.H., Lei C.Y., Michael Tang, Lue S.J.	長庚大學	Sol-Gel Derived Lithium Ion Conducting Membranes of Lithium Aluminum Titanium Phosphates and Their Applications in Hybrid Electrolyte Lithium-Air Batteries

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報告編號	論文編號	報告作者	共同作者	單位	論文題目
EC052	0460	賴栢偉	Lai B.W(賴栢偉), Wang P.C(王柏強), Nian Y.Y(粘晏俞), Ger M.D(葛明德), Chang C.P(張章平), Liu Y.M(劉益銘)	國防大學	The fabrication of metal pattern on flexible substrates by laser-induced thermal initiate catalyst ink
EC053	0456	陳威羽	Wei-Yu Chen(陳威羽) Po-Chiang Wang(王柏強), Nian, Yan-Yu(粘晏瑜), Huang, Yu-Ren(黃裕仁) Chang-Ping Chang(張章平), Ming-Der Ger(葛明德)*	國防大學理工學院	Siloxane Pd catalyst ink apply on metallization of PE material for high resistance washing.
EC054	0449	黃昱維	Huang Y.W.(黃昱維), Cheng J.H.(鄭如翔), Lin M.H.(林明憲), Su W.N.(蘇威年), and Hwang B.J.(黃炳照)*	臺灣科大	Improving Capacity and Stability by Multifunctional Binder for Lithium-Sulfur Batteries
EC055	0440	林聖奇	Lin S.C(林聖奇), Hu C.C.(胡啓章)*, Ma C.C.(馬振基)*, Cheng T.Y.(鄭茲瑀), Wang J.A.(王政安), Lin C.Y.(林志文)	清華大學	Preparation and characterization of graphene-based flexible electrodes for supercapacitors
EC056	0423	陳至穎	Chen C.Y.(陳至穎), Lin C.L.(林正嵐)*	淡江大學	A Study on The Preparation of PEDOT/CB Composite Thin Films and Their Electrochromic Properties
EC057	0415	林亭妤	Lin T.J.(林亭妤), Lin C.L.(林正嵐)*	淡江大學	Preparation of Micropatterned Gold Thin Films by Electrostatic Field-Assisted Electrodeposition Method and Investigating Their Electrochemical Properties Using Scanning Electrochemical Microscope
EC058	0408	吳京祐	Wu Ching-Yo(吳京祐), Yang Nian-Cih(楊念慈), Wang Chaohong(王朝弘)*	中正大學	Rice Husk-derived Porous Silicon and Si/C Composite Materials by Magnesiothermic Reduction as Anode Materials for Li-ion Batteries.
EC059	0392	邱科智	Ke-Chih Chiu (邱科智), Yu-Ching Weng(翁于晴)*	逢甲大學	Composition optimization of Mx(In _{0.2} Cd _{0.8}) _{1-x} S photocatalyst by scanning electrochemical microscopy and the characterization of efficient photocatalysts
EC060	0360	曹景源	Jing-Yuan Tsao (曹景源), Yu-Ching Weng (翁于晴)*	逢甲大學	High Throughput Discovery of IrO ₂ -based Electrocatalysts for Oxygen Evolution Reaction (OER)

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EC062	0303	葉飛熊	FEI-SYONG YE, Tzu-Chin Chang, Shu-Ling Huang*	聯合大學	Preparation of the Flow Energy Storage Battery Components and Thermal Effect Analysis
EC063	0301	許仕揚	Su-Yang Hsu (許仕揚), Chien-Liang Lee (李建良)*	高雄應用科大	Sonoelectrochemical preparation of graphene nanosheets: sodium n-octyl sulfate as intercalation agent and defective effect in sensing hydrogen peroxide
EC064	0298	吳政緯	Wu Zheng-Wei (吳政緯) Lee Chien-Liang* (李建良)	高雄應用科大	Thready Pt-shell coated on Concave Pd nanocrystals: Synthesis and their electrocatalysis in oxygen reduction reaction
EC065	0294	呂元平	Lyu Yuan-Ping (呂元平) Lee Chien-Liang* (李建良)*	高雄應用科大	Cu-induced Synthesis of Pd/Cu Nanostructures and Their Catalysis in Oxygen Reduction Reaction
EC066	0288	蔡霏文	Pei-wen, Tsai(蔡霏文) and Chao-hong, Wang(王朝弘)*	中正大學	An easy way to prepare porous Si from SiO ₂ as anode materials for Li-ion batteries
EC067	0274	周盅車	Chung-Chu, Chou(周盅車) and Chao-hong, Wang(王朝弘)*	中正大學	Synthesis of porous silicon from rice husks used as anode materials for Li-ion batteries
EC068	0263	陳國帝	Chen K.T.(陳國帝), Wu S.I.(吳劭易), Bai M.D.(白明德), Lu W.C.(盧文章), Wan H.P.(萬皓鵬)	工業技術研究院	Purify electrogens by repeatedly electrochemical and single carbon sources treatment
EC069	0260	阮國達	Nguyen Q.D (阮國達), Yang C.H. (楊政賢), Chang J.K. (張仍奎)*	中央大學	Gravimetric/volumetric capacitances, leakage current, and gas evolution of activated carbon supercapacitors
EC070	0253	莊雨倫	Yang C.C, Chuang.Y.L	明志科大	Electrochemical performance of Li-rich oxide (Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂) composite cathode material doped with Ruthenium
EC071	0251	楊純誠	Yang C.C, Hsu Y.H	明志科大	Hydrothermal process and electrospinning method for preparation excellent performance of LiFePO ₄ /porous GO/C composite materials
EC072	0248	周偉龍	Li Y.R.(李佑仁), Yang Q.C.(楊千橙), Yu C.K.(游鈞凱), Liu W.C.(劉韋承) and Wei L.C.(周偉龍)*	弘光科大	Removal of azo dyes by titanium dioxide nano-electrode using photoelectrocatalytic and photoelectro-Fenton technology

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報告編號	論文編號	報告作者	共同作者	單位	論文題目
EC073	0247	吳一姍	Wu Yi-Shan (吳一姍) and Lee Chien-Liang*	高雄應用科大	Electrophoretic Deposition of Graphene Sheets on Porous Nickel Foam as Effective Catalysts for Oxygen Evolution Reaction and Hydrogen Peroxide Sensor
EC074	0237	楊潤崧	Run-Song Yang*(楊潤崧), Mao-Sung Wu(吳茂松), Zhi-Zhen Ceng(曾智楨), Chuan-Yu Chen(陳泉宇)	高雄應用科大	Post-treatment of porous titanium dioxide electrode using pulse hydrolysis of titanium(III) chloride solution as a photoanode for dye-sensitized solar cells
EC075	0226	陳聖麒	Chen S.C.(陳聖麒) and Wu W.C.(吳文昌) *	南台科大	Preparation and analysis of LSGM / carbonate composite electrolyte for low-temperature solid oxide fuel cell
EC076	0202	林子婷	Chu C.M.(朱錦明), Li W.J.(李文錦), Lin Z.T.(林子婷)*, Yang W.P.(楊文彬), and Lin J.M.(林雋森)	工業技術研究院	Self-assembled layer connect with catalyst on Silicon Wafer
EC077	0200	林子婷	Chu C.M.(朱錦明), Li W.J.(李文錦), Lin Z.T.(林子婷)*, Yang W.P.(楊文彬), and Lin J.M.(林雋森)	工業技術研究院	The structure analysis of self-assembled layer on Silicon Wafer
EC078	0198	葉哲瑋	Ye J.W.(葉哲瑋), Wu C.H.(吳志鴻), and Lin C.W.(林啓文)*,	雲林科大	Enhancing benzene removal and electricity production from contaminated groundwater using tandem microbial fuel cells
EC079	0192	吳振維	Wu J.W.(吳振維), Yang C.H.(楊乾信)*	高雄大學	Electropolymerization of Self-Doped Polyaniline Films on Mild Steel for Anti-Corrosion
EC080	0191	顏毓沂	Yu-Yi Yan (顏毓沂), Jiin-Jiang Jow(卓錦江), Ho Rei Chen(陳和瑞), Tzong-Rong Ling(林宗榮)*	高雄應用科大學	Rapid sensing of the herbicide 2,4-dichlorophenoxyacetic acid based on molecularly imprinted polymer modified TiO ₂ nanotubes by photoelectrochemical detection
EC081	0178	楊文彬	*楊文彬 (W.P. Yang)、詹雅涵(Y.H. JHAN)、鄭研瑜(Y.Y. Cheng)	聯合大學	Parameters of the Rapid Quantitative Method of Commercial Recipes in Copper Micro-Electroplating
EC082	0177	楊文彬	*楊文彬 (W.P. Yang)、朱錦明(C.M. Chu)、李治鑿(Z.Y. Li)、鄭研瑜(Y.Y. Cheng)	聯合大學	The Rapid Quantitative Method of Additives of Commercial Recipes in Copper Electro-plating

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EC083	0170	周政均	Cheng-Chun Chou (周政均), Chien-Hsin Yang* (楊乾信)	高雄大學	Self-doped Polyaniline Assembled onto Carbon Nanoparticles in application of Supercapacitor
EC084	0169	王柏欣	Po-Hsin Wang(王柏欣), Chien-Hsin Yang*(楊乾信)	高雄大學	Electropolymerization of Self-Doped Polyaniline on Carbon Film for Supercapacitor
EC085	0158	李明真	Li M.C.(李明真), WU W.C.(吳文昌)*	南臺科大	Study of processing parameters of the anodic oxidation treatment in 7075 aluminum alloy
EC086	0153	Rajkumar	Muniyandi Rajkumar, Chi-Chang Hu*	National Tsing Hua University	Synthesis and characterization of activated graphene for Electrocatalytic applications: Effects of activating agents
EC087	0125	黃映愉	Ying-Yu Huang(黃映愉), Yu-Bin Liu(劉育濱), Chao-Chi Tu(涂超智), Lu-Yin Lin(林律吟)*	臺北科大	Cobalt Oxide Nanopillar and Nanobrush Arrays as the Electrocapacitive Material for Supercapacitor Electrodes
EC088	0124	賴和欣	He-Xin Lai (賴和欣), Wei-Lung Hong, Lu-Yin Lin*, Lu-Ying Lin	臺北科大	Sequence Effects of the Core-shell Nanostructure on the Morphology and the Electrocapacitive Ability for the Energy-Storage Electrodes
EC089	0118	林宏勳	Hong-Syun Lin*, Lu-Yin Lin	臺北科大	WO ₃ nanoplate/Reduced Graphene Oxide/MoS ₂ Heterojunction as the Catalyst for the Hydrogen Evolution
EC091	0114	陳弘欽	Hong-Qin Chen(陳弘欽), Zong-De Ni(倪宗德), Yung-Tao Song(宋永韜), and Lu-Yin Lin*(林律吟)	臺北科大	UV Light-assisted Electropolymerization of Pyrrole/TiO ₂ Nanomaterials for Supercapacitors
EC093	0107	陳文正	Chen W.-J*. and Hsieh P.-H.	高雄大學	The Study on Preparation of Sulfonated Polystyrene Blended with The Synthesized Hexyl-Methyl-Imidazolium Ionic Liquids for The Proton Exchange Membrane Fuel Cells
EC094	0106	陳文正	Chen W.-J.* and Hsieh H.-Y.	高雄大學	The Study on Synthesizing Fluorine-Containing Quaternary Ammonium Ionic Liquids for Application in Proton Exchange Membrane Fuel Cells
EC095	0091	詹繕源	Shan-Yuan Chan(詹繕源), Chi-Chang Hu*(胡啓章)	清華大學	Synthesis and Characterization of Phosphorous-doped Reduced Graphene Oxide for the Oxygen Reduction Reaction

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報告編號	論文編號	報告作者	共同作者	單位	論文題目
EC096	0074	游洋雁	*Yang-Yen Yu(游洋雁), Rih-Sheng Chiang(江日升)、Yang, Cheng-Huai(楊承淮)	明志科大	Synthesis and Characterization of Luminescent Perovskite Thin Films
EC097	0073	游洋雁	*Yang-Yen Yu(游洋雁), Rih-Sheng Chiang(江日升)、Tzung-Wei Tsai, (蔡宗瑋)	明志科大	Preparation and Characterization of Electron Transport Layer for Perovskite Solar Cell Applications
EC098	0053	顏忠義	Chung-Yi Yen (顏忠義), Hau Lin (林浩)*, Ching-Dong Hsieh (謝慶東), Pei-Tzu Chiu (邱珮慈)	南臺科大	Analysis of the Factorial Effect by SPSS for Detecting Hydrogen Peroxide for the Modified Electrode
EC099	0051	高坤儀	Kun-Yi Kao (高坤儀), Hau Lin (林浩)*	南臺科大	Analysis of the Effect of Operating Potential on Detecting Hydrogen Peroxide for the Unmodified Carbon Paste Electrode
EC100	0050	邱珮慈	Pei-Tzu Chiu (邱珮慈), Hau Lin (林浩)*	南臺科大	The Effect of Operating Potentials on Detection of Hydrogen Peroxide for the Electrode Modified by Nickel Hexacyanoferrate and Nano Silver Powder
EC101	0046	劉師維	Po-Lin Chen , Duann-Yeh Fang*	臺北科大	Preparation and properties of lithium-ion battery additives by the acylation reaction using five-membered heterocyclic and trifluoroacetic anhydride.
EC102	0039	盧泰宇	Wang J.M.(王建賢) Tsai D.S.(蔡大翔*) Lu T.Y.(盧泰宇)	臺灣科大	green pigment coating through micro arc oxidation of aluminum alloy 6061
EC103	0036	陳之正	Chiang Y.C. (江奕成), Tsai D.S. (蔡大翔), and Chen J.J. (陳之正)	臺灣科大	Proton exchange membranes of poly(2,5-benzimidazole) ABPBI doped with phosphoric acid and antimony chloride/tin chloride/iron chloride
EC104	0035	盧泰宇	Lui Y.H.劉彥亨 Tsai D.S.蔡大翔* Lu T.Y. 盧泰宇	臺灣科大	Preparation and energy storage of the graphite dual cell with interdigitated planar electrodes
EC105	0034	陳之正	Tseng B.C. (曾博昌), Tsai D.S. (蔡大翔)*, and Chen J.J. (陳之正)	臺灣科大	On the interdigitated electrode with the bimaterial for hybrid capacitor

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報告 編號	論文 編號	報告 作者	共同作者	單位	論文題目
EC106	0020	劉豫川	Chen H.C. (陳効謙), Yang K.H. (楊光絢), Yu C.C. (俞宗欽), Chang C.C. (張君照), Liu Y.C. (劉豫川)	臺北醫學大學	Preparation Mechanism and Application of Innovatively Plasmon-Induced Activated Liquid Water with Reduced Hydrogen-Bonded Structure
EC107	0459	蘇昱銘	Liu Y.C, Su Y.M., Huang W.C., Kuo Y.L. and Lin S.D.	行政院原子能委員會核能研究所	{441} Faceted Trisoctahedral Gold Nanocrystals: Synthesis and Superior Electrocatalytic Performance for H ₂ O ₂ and NADH Sensing

材料在化工的應用

地點：中央大學 工程一館三樓 (11 月 26 日 9:30 ~ 12:30)

報告編號	論文編號	報告作者	共同作者	單位	論文題目
CM001	0725	楊庭嘉	Yang T. C. (楊庭嘉), Cheng S. L. (鄭紹良)*	中央大學	Fabrication of ultrathin anodic aluminium oxide template by nanosphere lithography
CM002	0702	高彩華	Sung N.E. (宋妮恩), Inbaraj B.S. and Kao T.H. (高彩華)*	輔仁大學	Evaluation of Spent Hops as a Multi-metal Binding Biosorbent
CM003	0694	楊哲遠	楊哲遠, Sudipta Som, 呂宗昕*	臺灣大學	Synthesis of NaYF ₄ phosphors via the microwave assisted-hydrothermal process
CM004	0689	胡祥彬	胡祥彬、李志豪、江明勳、謝慶東*	南台科大	Study on liquid crystal vertical alignment properties of photosensitive polymethacrylates.
CM005	0688	江冠瑩	*倪聖中、江冠瑩	勤益科大	Preparation and Characterizations of Metal-Organic Frameworks
CM006	0669	蔡維庭	Zeng Y.P. (曾雲培), Tsai W.T. (蔡維庭), and Su C.C. (蘇進成)*	高雄大學	Synthesis of Cadmium Selenide Quantum Dots complexes with a core-shell structure
CM007	0666	陳建忠	C.-Y. Wu (吳佳芸), R.-S. Jiang, Y.-W. Chen, B.-H. Su, Y.-C. Lin, T.-W. Chang, and C.-C. Chen (陳建忠)*	中正大學	Preparation of conductive toner for laser printer
CM008	0663	鄭慧芳	Hui-Fang Cheng, Ming-Tsung Lee and I-Wen Sun,*	成功大學	Study of symmetric/asymmetric flexible supercapacitor used ionic liquids as electrolyte
CM009	0647	李筱齡	Li H.L. (李筱齡), Huang C. (黃駿)*	元智大學	Plasma surface modification on polyethylene terephthalate by magnetron source for cyclonic plasma at atmospheric pressure
CM010	0642	羅士庭	Shih-Ting Luo (羅士庭), Chien-Fu Lin (林建甫), Ya-Sen Sun (孫亞賢)*	中央大學	Nitrogen-enriched carbons fabrication and application on surface enhanced Raman scattering substrate
CM011	0641	許世杰	Yung-Yu Lai (賴永裕), Shih-Chieh Hsu (許世杰)*, Yew Chung Sermon Wu, Liang-Yih Chen (陳良益), Rudder T. Wu, Yuh-Jen Cheng	淡江大學	Development and Characterization of an Ultra-low Thermal Conductivity 2-D Material based on WSe ₂ for Thermal Management Applications

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CM012	0639	吳崧豪	Wu S.H.(吳崧豪), Sun Y.C(孫亞賢)*	中央大學	Controlling Polymer-Surface Chemistries and Interfacial Interactions with UV Irradiated Polystyrene Chains
CM013	0638	辛迪	Cindy Mutiara Septani, Yen-Hsing Lu, Jiun-You Liou, Chien-Fu Lin and Ya-Sen Sun	National Central University	Electrocatalytic Activity of A Nitrogen-Enriched Mesoporous Carbon Framework and Its Hybrids with Metal Nanoparticles Fabricated Through The Pyrolysis of Block Copolymers
CM014	0636	黃以捷	I-Jie Huang(黃以捷), Ya-Sen Sun*(孫亞賢), Wei-Hua Huang(黃偉華), Jiun-You Liou(劉峻佑), Yen-Hsing Lu(盧彥興), Kuo-Chih Shih(石國治), Chien-Fu Lin(林建甫) and Shao-Liang Cheng(鄭紹良)	中央大學	Conversion from self-assembled block copolymer nanodomains to carbon nanostructures with welldefined morphology
CM015	0631	洪添燦	Wu C.H.(吳中和) and Hung T.T.(洪添燦)*	義守大學	Synthesis of New Red Dopants for Organic Light Emitting Devices
CM016	0626	孫珮瑜	P.Y. Sun, H.Y. Hou, K.M. Cheng, H.P. Hsu, C.W. Lan*	臺灣大學	Low-Temperature Kerf-less Silicon Spalling by Inducing Thermal-mismatch Stress
CM017	0622	賴永裕	Yung-Yu Lai(賴永裕), Shih-Chieh Hsu(許世杰)*, Yew Chung Sermon Wu, Liang-Yih Chen(陳良益), Rudder T. Wu, Yuh-Jen Cheng	交通大學	Development and Characterization of an Ultra-low Thermal Conductivity 2-D Material based on WSe ₂ for Thermal Management Applications
CM018	0616	蕭瑞昌	蕭瑞昌*、黃俊明、洪若軒、張孟涵、杜冠叡	龍華科大	Comparative Study on Contents of Total Polyphenol And Flavonoid in Leaves of Different Varieties of Guavas
CM019	0606	劉弘仁	Liu H.J	工業技術研究院	The properties of PET film after bi-axial stretching
CM020	0596	孫筱婷	Hsiao-Ting Sun, Lin-Chieh Tseng and Rong-Ho Lee*	中興大學	Synthesis of Imidazolium iodide-containing Hyper-branched Polymer Ionic Liquid for N719 based Dye-sensitized Solar Cells

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CM021	0595	陳詠璞	Yung-Pu Chen and Rong-Ho Lee*	中興大學	Enhanced Photovoltaic Performance of P3HT:PC61BM based Inverted Polymer Solar Cells by Incorporating Graphene Nanosheet/AgNPs Nanohybrids
CM022	0589	陳歆瑀	Chen S.Y.(陳歆瑀), Wang C.T.(王健聰)*	雲林科大	Synthesis of Noble Metals on Graphene Oxide Nanocomposite by Photochemical Reduction
CM023	0562	吳冠億	Guan-Yi Wu (吳冠億), Guan-Wen Lin (林冠文), and Mei-Jywan Syu (許梅娟*)	成功大學	Synthesis of Co(II)-tetrapyridylporphine for the adsorption of carbon dioxide
CM024	0546	林子偉	Lin Z.W.(林子偉), Hsieh C.T.* (謝建德), Hsiao M.L. (蕭銘諒)	元智大學	Tuning Photoluminescence Performance of Graphene Quantum Dots by Using Vapor-phase Cyclic Reduction System
CM025	0536	黃士璿	Huang S.H., Chiang Y.M., Hsieh C.T.*	元智大學	IR-induced Synthesis and Fluorescence of Graphene Quantum Dots
CM026	0532	薛皓文	Syue H.W.(薛皓文), Chiang C.W.(蔣家偉), and Lin T.C.(林昭任)*	中正大學	Effect of Hot pressing and Current-assisted Annealing on Thermoelectric and Electrical Properties of Flexible 3-D Bismuth-Telluride-Based Film Thermoelectric Generators
CM027	0531	陳瑋倫	Chen W.L.(陳瑋倫), Zhang J.H.(張家豪) and Lin T.J.(林昭任)*	中正大學	Effects of Grinding and Food Gums on dried Pearl Swelling Rate and Chewiness Duration
CM028	0530	楊承翰	Yang C.H.(楊承翰), YANG K.S. (楊凱勛), Huang C.F. (黃智峯)	中興大學	Preparation and Characterization of PMMA/TEMPO-oxidized Cellulose Nanocomposites
CM029	0522	方宏義	Fang H.Y. (方宏義), Ko Y.C. (柯雅淇), Chen D.H. (陳東煌)*	成功大學	Fabrication of Ag/ZnO/Reduced Graphene Oxide Nanocomposite for SERS Detection and Multiway Killing of Bacteria
CM030	0514	楊志純	Yang C.C. (楊志純), Kuo K.Y.(郭冠瑜), Huang S.L. (黃淑玲)*	聯合大學	Polymer Nanostructures Induced by the template method
CM031	0510	陳奕信	陳奕信, 王柏強, 粘晏瑜, 張章平*, 劉益銘, 葛明德	國防大學 中正理工學院	The Research on Functional polymer nano-Pd catalyst electroless metallization PE monofilament
CM033	0504	洪立杰	Hong L.J. (洪立杰), Juang Y.J.(莊怡哲)*	成功大學	Investigation of SERS effect in nanochannels

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CM034	0502	張家豪	Chia-Hao Chang(張家豪), Yu-Heng Deng(鄧有衡), Kuo-Lun Tung(童國倫) and Kevin C.-W. Wu(吳嘉文)*	臺灣大學	Interfacial synthesis of ceramic supported ZIF membrane for pervaporation dehydration of alcohols
CM035	0497	陳彥霖	Chen Y.L. (陳彥霖), Chen E.J.. (陳以捷), Kevin C.-W. Wu (吳嘉文)	臺灣大學	Synthesis of hollow porous iron pyrite nanoparticles as effective dye-sensitized counter electrodes
CM036	0489	賴正傑	Cheng Chieh Lai and Bor Kae Chang*	中央大學	Investigation of MOF and Activated Carbon Co-Filler Mixed-Matrix Membranes
CM038	0482	劉宗宏	Tzong-Horng Liou (劉宗宏)*, Pie-Ying Wang (王霽盈) and Yuan-Hao Liou (劉元皓)	明志科大	Synthesis of Mesoporous SBA-15 Silica from Recycling of Agricultural Biomass Materials
CM039	0480	王柏強	Wang P.C. (王柏強), Chang C.P. (張章平), Liu Y.M. (劉益銘), Ger M.D.(葛明德)	國防大學理工學院	The fabrication of high adhesion metal layer on substrates by polymer-assisted thermal curing catalyst ink
CM040	0476	紀姮羽	Heng-Yu Chi (紀姮羽) and Dun-Yen Kang (康敦彥)*	臺灣大學	Direct deposition of zeolitic imidazolate framework thin films from stabilized suspensions
CM041	0469	張宇能	Yuneng Chang(張宇能), Chenfeng Lee(李承峰), 黃玉成 (Yuechen Huang), Chengjang Wu(吳承璋)	龍華科大	XRD and PL Study on the Structural and Luminescent properties of ZnO grown by CVD
CM042	0465	吳承運	Cheng-Yun Wu, Chia-Hsiung Tseng, and Ping-Szu Tsai*	高雄應用科大	Investigation on the Mechanical Property of Nylon 6,6-Micro sized Fe ₃ O ₄ Powder Composites
CM043	0464	陳宜欣	I-Shin Chen, Chia-Hsiung Tseng, and Ping-Szu Tsai*	高雄應用科大	Effect of Solvent Precipitation on the Wetting Behavior and Hierarchically Structure of Nylon 6,6
CM044	0463	張宇能	Yuneng Chang(張宇能), Chenfeng Lee(李承峰), Chengjang Wu(吳承璋), Yi-ming Chuang(莊英民),	龍華科大	Making of DSSC using Atmospheric Pressure Chemical Vapor Deposition Zinc Oxide as Electrode

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CM046	0447	李翎	Li L. (李翎), Wu J.Y.(吳政毅), Wang E.J.(王貳瑞), and Tsai P.S.(蔡平賜)*	高雄應用科大	Preparation and Characteristic of Activated Carbon from Beech by CO2 Activation
CM047	0439	沈育如	Shen Y.R.(沈育如), Tseng C.H.(曾嘉雄), Wang H.L.(王心麟), Tsai P.S.(蔡平賜)*	高雄應用科大	Influence of Solvent Precipitation on the Isothermal and Non-isothermal Crystallization Behavior of Nylon 6,6
CM048	0435	陳作宣	TSO-HSUAN CHEN(陳作宣), SUN-YI CHOU(周孫一) and YING-CHIH LIAO (廖英志),*	臺灣大學	Printing 3D Stretchable and Conductive Wire by A Single Instrument
CM049	0422	王心麟	Wang H.L.(王心麟), Jen H.B.(任漢邦), Shen Y.R.(沈育如), Tsai P.S.(蔡平賜)*	高雄應用科大	Effects of Chain Transfer Agent and Reactive Diluent on the Viscosity and Physical Properties of UV-cured Coatings.
CM050	0419	謝杰恒	Chieh-Han Hsieh(謝杰恒) and Ying-Chih Liao(廖英志)*	臺灣大學	Stretchable conductor of nano-filler/polymer composites
CM052	0410	謝兆倫	Hsieh C.L. (謝兆倫), Juang Y.J (莊怡哲)*	成功大學	Investigation of superhydrophobicity of polydimethylsiloxane micropillars with overhang
CM053	0409	張詠善	Yung Shan Chang	交通大學	Interfacial Charge Dynamics of CdSe and CdS Co-sensitized Hydrogen-treated TiO2 Nanoarrays
CM054	0407	林庭瑄	Lin T.X. (林庭瑄), Hsu F.M. (許芳鳴), Lee Y.L. (李勇輪), and Jan J.S. (詹正雄)*	成功大學	Antireflective Composite Coatings Containing Silica/Polymer Vesicular Nanostructures
CM055	0401	黃冠銘	Huang K. M.(黃冠銘), Liao Y. C. (廖英志*), Yong Y.(雍穎琮), Tsukamoto H., Huang C. Y.(黃俊庸), Chiu H. L.(邱顯隆), and Yonezawa T.	臺灣大學	A Low Temperature Self-reducible Copper Ink for Direct Printed Conductive Thin Film Patterns
CM056	0397	蕭富仁	Fu-Ren Hsiao(蕭富仁), Shih-Chien Lin(林詩倩) and Ying-Chih Liao(廖英志)	臺灣大學	Printed Micro Sensors for Simultaneous Measurement of Temperature and Humidity

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CM057	0396	吳政毅	Jeng-Yi Wu (吳政毅), Pei-Ting Li (李佩亭) and Ping-Szu Tsai (蔡平賜)*	高雄應用科大	Study on Novel Oil-Water Separation Membrane
CM058	0391	陳映融	Chen Y.J.(陳映融) Lin W.C.(林韋呈) Liu S.H.(劉上豪)	雲林科大	Enhancement of the thermal stability of organic electrolytes via adding ionic liquids
CM059	0390	廖敏芝	Liao M.C. (廖敏芝), Shie B.S. (謝秉勳), and Lin Y.S. (林永森)*	逢甲大學	Atmospheric Pressure Plasma-polymerized Li _{1-x} Fe _x Ta _{1-y} O ₂ C _z Films for Electrochromic Device
CM060	0388	賴易辰	Lai Y.C. (賴易辰), Lin S.M. (林學民), and Lin Y.S.(林永森)*	逢甲大學	Enhanced Solder Wetting of Oxidized-Al with Lead Free Solder by Ar-H ₂ Plasmas
CM061	0386	王尹禮	Wang Y.L.(王尹禮) Cai Z.H.(蔡宗翰) Lin Y.S.(林永森)*	逢甲大學	Low Temperature Plasma-polymerized Tungsten/Titanium Mixed Oxide Films for Flexible Electrochromic Device
CM062	0385	李建億	Li J.Y. (李建億), Lin Y.S. (林永森)*	逢甲大學	Enhance Surface Hardness of Flexible Carbon Fiber Sheets by Atmospheric Pressure Plasma-Polymerized Organo-Aluminum Oxide Films
CM063	0384	鍾超己	Chung C.C., Tang Y.K., Liu C.Y.*	中央大學	The study of heat dissipation system in AlN substrate
CM064	0383	陳品丞	Chen P.C (陳品丞), Lin Y.S. (林永森)*	逢甲大學	Synthesis of Tungsten/ Iron Mixed Oxide Films by Atmospheric Pressure Plasma Jet for Flexible-All-Solid Electrochromic Device
CM065	0368	許展瑋	Hsu C.W.(許展瑋), and Lu S.Y(呂世源)*	清華大學	p-NiO/n-TiO ₂ Nanorod Array for Enhanced Photoelectrochemical Performances
CM066	0357	簡浩軒	Haoh-Suan Chien, Jia- Liang Liao, Wei-Hung Chiang*	臺灣科大	Scalable production of low-defect graphene nanosheets by efficient water-assisted mechanochemical exfoliation
CM067	0356	蔣兆閔	Jhao-Min Jiang (蔣兆閔), Chiech-Yu Huang (黃傑郁), Wei-Chun Chen (陳濼君), Yih-Wen Wang (王義文), Chi-Min Shu (徐啓銘)*	雲林科大	Evaluation for thermal hazard of 18650 Li-ion battery in high temperature environment by multipoint temperatures and voltage detections

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CM068	0355	葉峰閩	Yeh Feng-Min (葉峰閩), Lai Wang Bin (賴王彬), Chi-Min Shu (徐啓銘)*	雲林科大	Photolysis for different proportions of photosensitizer mixed with cycloaliphatic epoxy resin using green analytical method
CM069	0354	莊郁楷	Chuang Yu-Kai (莊郁楷), Huang An-Chi (黃安麒), Shu Chi-Min (徐啓銘)*	雲科大	Thermokinetics analysis of medium-low temperature surroundings of regular cosmetic materials
CM070	0353	林浩源	林浩源、孫幸宜*	中興大學	Preparation of Tannic Acid Membranes for Antibacterial Application
CM071	0336	邵葆雯	Shao P.W. (邵葆雯), Hsu Y.J.(徐雍鎣)*	交通大學	A self-powered photoelectrochemical biosensor for glutathione detection by TiO ₂ -based nanowires array
CM072	0324	吳珮瑜	Wu P.Y. (吳珮瑜), Chen C.M. (陳志銘*), Lin C.H. (林慶炫*)	中興大學	Interfacial characterizations of an electroless nickel layer on polyimide film
CM073	0313	詹軒竺	Chan H.C.(詹軒竺), and Wang C.T.(王健聰)*	雲林科大	Photo-Deposition of Silver Nanoparticles on Nitrogen-Doped Graphene Aerogels
CM074	0312	李軒	Lee H. (李軒), Dow W.P. (竇維平), Chen C. M. (陳志銘*)	中興大學	Strong effect of Cu plating formula on the Cu microstructure and its reaction with Sn
CM076	0300	吳世維	Wu S.W.(吳世維), Jhang J.K.(張政焜), and Wang C.T.(王健聰)*	雲林科大	Modifying Iron-Doped Titania Nanobelts by Niobium Intercalation for Dye-Sensitized Solar Cells
CM077	0296	徐萱齡	Hsuan-Ling Hsu, Hsing-Ting Chan and Chih-Ming Chen*	中興大學	Electromigration effects on the thermoelectric solder joint
CM078	0289	林法	Lin F.(林法), Hsu S. H.(徐士軒), Wu M. T.(吳孟庭), Lee M. H. (李美萱), Chen H. I.(陳慧英)*	成功大學	Preparation and Characterization of Extended-gate CeO ₂ pH Sensor
CM079	0287	林育江	Tsai J.W.(蔡君偉), Lin Y.J.(林育江), Lin Y.J.(林伊眞), Yang W.D.(楊文都*)	高雄應用科大	The preparation of rGO/TiO ₂ composites for supercapacitor electrode by Experimental Design Method.
CM080	0280	曹多雯	Tsao T.W. (曹多雯), Chen D.H (陳東煌)*	成功大學	One-step Solvothermal Synthesis of Cs _x WO ₃ Nanorods-decorated Reduced Graphene Oxide with Enhanced NIR Photothermal Conversion Property

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CM081	0277	林哲揚	Cheng-En Wu(吳承恩)、Che-Yang Lin(林哲揚)、Chao-Hong Wang(王朝弘)*	中正大學	Interfacial reactions between lead-free solder joints and electroplated Co(P) diffusion barrier
CM082	0249	林文義	Lin W.Y.(林文義), Tung C.C.(童啓哲), Chen K.Y.(陳克宜)	塑膠工業技術發展中心	A study of regulation control on moisture absorption by adding inorganic materials in membranes
CM083	0243	許嫣容	Yen-Jung Hsu, Quoc-Thai Pham, Fu-Ming Wang, Jung-Mu Hsu, Mulugeta Tesemma, Ting-Yao Wu, Chong-Shyan Chern*	臺灣科大	Synthesis and Application of Self Terminated Oligomer Branched Architecture (STOBA) in lithium ion battery
CM084	0241	Quoc-Thai Pham	Quoc-Thai Pham, Fu-Ming Wang, Jung-Mu Hsu, Chong-Shyan Chern,*	臺灣科大	Synthesis and Application of Self Terminated Oligomer Branched Architecture (STOBA) in lithium ion battery
CM085	0239	吳玉婷	Quoc-Thai Pham, Yu-Ting Wu, Ya-Ting Chang, Yun-Ting Wang, Chong-Shyan Chern,*	臺灣科大	Preparation and characterization of silica nanoparticles via miniemulsion sol-gel reaction of tetraethyl orthosilicate
CM086	0230	古家玲	Gu J.L.(古家玲)、Wang C.S.(王麒森)、Lin Y.F.(林義峰)*	中原大學	Electrospinning Preparation and Hydrophobic Modification of Composite PVDF/silica Nanofiber Membranes for Membrane Contactors Used for Carbon Dioxide Capture
CM087	0229	王文玟	Wang W.W.(王文玟), Ye Q.(葉謙), and Lin Y.F.(林義峯)*	中原大學	Electrospinning Preparation of PDMS/PVDF nanofibrous Membranes for Membrane Contactor used for Carbon Dioxide Capture
CM088	0228	簡宏勸	簡宏勸(Chien H.J.), 吳昶諭(Wu C.Y.), 林義峰(Lin Y.F.),*	中原大學	Preparation of SiO ₂ aerogel and their composite SiO ₂ aerogel /CS Membranes for Pervaporation Separation of Water/Butanol Mixtures
CM089	0227	林慧雯	Lin H.W. (林慧雯), Lin Y.F. (林義峰)*, Lin C.H.(林嘉和)	中原大學	AIMBA Metal – Organic Framework/CS Membrane for Pervaporation Separation of Water/Alcohols Mixtures
CM090	0220	林詠傑	Lin1 Y.J., Huang K.W., Lin Y.F.*	中原大學	Preparation of metal coordination complex for Carbon Dioxide/Propylene Oxide Cycloaddition Reaction

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CM091	0218	陳奕劭	Chi-Jung Chang* (張棋榕), P. Madhusudhana Reddy, Jing-Yuan Kang(康璟淵), Yi-Shao Chen(陳奕劭)	逢甲大學	Azo dye based colorimetric chemical sensors for efficient detection of anions in aqueous solutions
CM092	0216	朱錦明	Z.T. Lin (林子婷), W.J. Li (李文錦), W.P. Yang (楊文彬), J.M. Lin (林雋淼), C.M. Chu (朱錦明)	聯合大學	Self-assembled layer connect with catalyst on Silicon Wafer
CM093	0215	朱錦明	Z.T. Lin (林子婷), C.M. Chu (朱錦明), W.P. Yang (楊文彬), J.M. Lin (林雋淼), W.J. Li (李文錦)	聯合大學	The structure analysis of self-assembled layer on Silicon Wafer
CM094	0214	吳紹榮	吳紹榮*, 陳致穎, 林宗寬	明志科大	Preparation and application of porous chitosan/graphene oxide composites
CM095	0213	裴怡靜	Pei. I. Ching. (裴怡靜), Yu. Hsuan. Fu ((余宣賦)*)	淡江大學	Light-weighted ZnO-Ni/C photocatalytic magnetic powder: preparation and characterization
CM096	0211	蔡梵正	Tsai Fan-Jeng* Su Yi-Che Wen Chia-Ling	工業技術研究院	Development of functional flexible Polyurethane foam
CM097	0206	林承翰	Yang P.C. (楊博智)*, Su R.Y. (蘇仁毅), Lin C.H. (林承翰), and Chien Y.H. (簡約翰)	元智大學	Synthesis and Ion-Responsive Fluorescent Properties of Conjugated Polyfluorene/CdSe Quantum Dot Composites
CM098	0205	林承翰	Yang P.C. (楊博智)*, Chou Y.S. (周郁嫻), Chien Y.H. (簡約翰), Lin D.E. (林代恩) and Lin C.H. (林承翰)	元智大學	Synthesis and Multifunctional Chemosensory Properties of Diketopyrrolopyrrole-Substituted Polyfluorene
CM100	0187	郭家亨	Kuo C.H.(郭家亨), Sun C.L.(孫嘉良)*	長庚大學	Synthesis of ultrashort graphene oxide nanoribbons with a suitable aspect ratio for biosensor applications
CM101	0186	白傑安	Pai J.A (白傑安), Sun C.L (孫嘉良)*	長庚大學	Synthesis of PtRu nanoparticles/N-doped graphene composites for glucose oxidation in a pH-neutral cerebrospinal fluid
CM102	0184	林志嶽	Chih-Yueh Lin (林志嶽), Liang-Yih Chen (陳良益*)	臺灣科大	ROOM-TEMPERATURE GROWTH OF CsPbX ₃ (X = Cl, Br, I) PEROVSKITE QUANTUM DOTS WITH HIGH PHOTOLUMINESCENCE QUANTUM YIELDS

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報告編號	論文編號	報告作者	共同作者	單位	論文題目
CM103	0180	王婷儀	Ting-Yi Wang, Yeh-Fang Duann*	臺北科大	Electro-polymerization functionalized graphene / PEDOT-PSS composite film used in dye-sensitized solar cells
CM104	0179	陳澄惠	Chen Y.H.(陳澄惠), Deng Y.H. (鄧有衡), Kang C.H. (康朝翔), Tung K.L.(童國倫), Wu C.W.(吳嘉文)	臺灣大學	Polyvinyl Alcohol (PVA)/Zeolitic Imidazolate Frameworks (ZIF-8) Mixed Matrix Membranes for Pervaporation Dehydration of Ethanol-Water Mixtures
CM105	0172	許文華	Hsu W.H.(許文華)	東海大學	Preparation and characterization of (Bi _{0.9} Gd _{0.1})(Fe _{1-x} Cr _x)O ₃ magnetoelectric composites
CM106	0168	張倍毓	Pei-Yu Chang , Chien-Hsin Yang*	高雄大學	Preparation of 3D Printing Acrylate-TiO ₂ Composites Using Photochemical Polymerization
CM107	0163	邱品軒	*邱維銘、**邱品軒	勤益科大	AgNWs / PVP NFs electrospun prepared transparent film and Performance of Research
CM108	0161	戴宏哲	Lee Y.J.(李宜蓁), Tai H.J.(戴宏哲*), Sun Y.F.(孫櫻芬)	義守大學	Artificial Tissue Emulating Materials Derived from Gelatin/Water/Glycerol Mixtures
CM109	0160	戴宏哲	Chang J.C.(張瑞哲), Tai H.J.(戴宏哲*), Sun Y. F.(孫櫻芬), Lee Y. J.(李宜蓁)	義守大學	Mechanical Properties of Acrylonitrile Butadiene Rubber/Butadiene Rubber Compounds
CM110	0157	蔡浩文	*錢玉樹、**邱維銘、*蔡浩文	勤益科大	Application and Discussion of PVDF / graphene oxide composite film separation of oil and water
CM111	0156	劉遠皓	Liu Y.H. Duann Y.F.*	臺北科大	Study on the effect of polyether-amine modified organic montmorillonite on mechanical and thermal properties of epoxy nanocomposite
CM112	0145	何星呈	Ho Sing-Chen (何星呈), Lin Tzu-Hao (林子皓), Shu Chi-Min (徐啓銘)	雲林科大	Using rough set theory to analyze the dust explosion in polyester resin
CM113	0141	吳柏融	Wu B.R.(吳柏融), Chang B.K.(張博凱)*	中央大學	Microwave-Assisted Synthesis of Metal-Organic Frameworks (MOFs) in the Vapor Phase
CM114	0137	劉博滔	Jing-He Lai (賴靜荷)、Ci-Da Li (李棋達) and Bo-Tau Liu (劉博滔)*	雲林科大	Study on the morphology of the metallic nanowires through the drying process
CM115	0136	劉博滔	Bo-Wei Guo (郭柏威)、Jin-Yan Liu (劉晉延) and Bo-Tau Liu (劉博滔)*	雲林科大	Enhanced efficiency of dye-sensitized solar cell in a low temperature process

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CM116	0102	王躍鈞	Wang Y.J.(王躍鈞), Tsai T.L.(蔡東霖), Huang S.H.(黃世樺), Cheng S.H.(鄭詩仙)	財團法人金屬工業研究發展中心	The Research of Improvement in Surface Roughness of Metal 3DP Products by Magnetic Polishing
CM117	0099	王則盛	Wang T.S.(王則盛), Chen C.H.(陳志賢)*	逢甲大學	Enhancement of Nonlinear Optics for cyanovinylene dye in polymeric skeleton
CM118	0087	劉弘仁	Liu H.J.(劉弘仁)	工業技術研究院	The properties of multiple layer films containing oriented layers of nylon copolymer and EVOH
CM119	0086	蔡耀麟	Tsai Y.L. (蔡耀麟), Chang I.H. (張翊宣), Chen T.C. (陳祖啓), Chang H.M. (張弘明), Chung Y.C. (鍾宜君), Dow W.P. (竇維平)* and Hashimoto Y. (橋本康男)	中興大學	A Synthesis Approach of Cu Nanoparticles and Their Application on Electroless Cu Deposition
CM120	0083	蕭涵	Han Hsiao and Chih-Sung Ho*	東海大學	Study of carbon nanotube modified epoxy resins
CM121	0082	陳奕廷	黃郁迪, 段葉芳*	臺北科大	The synthesis and properties of UV-curable polyurethane acrylate resin
CM122	0081	林雨村	Lin Y.T.(林雨村), Lin J.S.(林正雄) and Chung S.L.(鍾賢龍)*	成功大學	Thermal Conductivity of Epoxy Resin Composites filled with Combustion Synthesized AlN Powder
CM123	0080	李定華	Li D.H.(李定華) and Ho C.S.(何志松)	東海大學	Study of potassium ferrate (VI) preparation and efficiency for removal of heavy metals
CM124	0078	卓冠任	Chien W.C.(簡文鎮) and Zhuo G.R.(卓冠任)	明志科大	Effect of Manganese-Doping on Electrochemical Properties of LFP/C Cathode Materials
CM125	0076	簡文鎮	Chien W.C.(簡文鎮) and Luo J. M.(羅健珉)	明志科大	Effect of Adding Carbon Nanofibers on Electrochemical Properties of LFP Cathode Materials
CM127	0072	林韻茹	Lin Y.R.(林韻茹) and Chen C.H.(陳志賢)*	逢甲大學	Strongly Solid-State Fluorescent D- δ -A Copolymers with Incorporation of AIE-active Moiety
CM128	0065	林伊眞	Yi-Jhen Lin(林伊眞), Wein-Duo Yang(楊文都)*, Lin, Yu-Jiang(林育江)	高雄科技應用大學	Preparation of Graphene Quantum Dots and Their Application for Photoanodes of Dye-Sensitized Solar Cells

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CM129	0064	盧冠佑	Jiang M.Y.(江旻諭),Pan M.C.(潘明誠),Tai H.C.(戴弘鈞), Lu G.Y.(盧冠佑) Lee Y.Y(李元堯)*	中正大學	Exfoliation of Carbon Nanofibers for Preparation of Graphene Quantum Dots
CM130	0063	陳奕宏	Yi-Hung Chen(陳奕宏),and Chin-Sung Ho(何志松)*	東海大學	Preparation and properties study of magnetic Fe ₂ O ₃ nanoparticles
CM131	0062	吳慶山	Wu,Q.S.(吳慶山), Chu,H.-H.(朱侯憲)*,Shen,B.H.(沈北湖), Lee,C.C.(李乘清)	逢甲大學	The electrophoretic coating of acrylate latex containing PS-silica core-shell particles
CM132	0058	吳家興	Wu J.X. (吳家興), Hsiao S.H. (蕭受惠), Tung C.C. (董建圻), and Chen H.I. (陳慧英)*	成功大學	Characterization of Self-Assembled 6-mercapto-1-hexanol Monolayer Functionalized Au/GaAs Schottky Diode for Sensing Ethanol Vapor: Effect of Au Film Thickness
CM133	0047	張晉睿	Kai-Chiang Shih(施凱強), Yeh-Fang Duann(段葉芳)*	臺北科大	Preparation and Properties of SiO ₂ -Al ₂ O ₃ /Waterborne Polyurethane Composite
CM134	0043	郭俊廷	Kuo C.T. (郭俊廷), Wen T.C. (溫添進)*	成功大學	Novel Zwitterionic Copolymers Activating SERS Substrates for in vitro Detection of Malachite Green in Human Blood Serum
CM135	0042	吳仲凱	Wu C.K.(吳仲凱), Hsu S.H.(許昇豪), Tsai K.W.(蔡鎧蔚), and Wen T.C.(溫添進)*	成功大學	Interfacial Modification of ZnO toward High Performance Perovskite Solar Cell
CM136	0032	張庭瑄	Hsiao S.Y. (蕭世揚), Tsai D.S.(蔡大翔)*, Jhang T.S.(張庭瑄)	臺灣科大	Sodium ion conductivities of sulfide glasses and potential cathode compositions

綠色化工技術及程序系統工程

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GP001	0723	陳文華	Jang M.F.(詹明峯), Chen H.H.(陳顯修) and Chen W.H.(陳文華)*	核能研究所	Experimental Studies on the Recovery Process of Lignocellulosic Lactic Acid
GP002	0670	蔡維庭	Chen M.H.(陳明煌), Tsai W.T.(蔡維庭) and Su C.C.(蘇進成)*	高雄大學	A novel developer for bump application
GP003	0660	郭家宏	Yu-Hsiang Wang (王煜翔), Mei-Ling Tsai (蔡美玲), Pei-Pei Sun (孫珮珮)* and Chia-Hung Kuo (郭家宏)*	高雄海洋科大	Enzymatic assisted aqueous extraction of cobia liver oil and antioxidant activity of protein hydrolysates
GP004	0644	胡芳滋	Chen B.H.(陳柏宏),Hu F.Z.(胡芳滋),and Shieh Y.T.(謝永堂)*	高雄大學	Preparation and characterizations of N-isopropylacrylamide copolymers in supercritical carbon dioxide fluids
GP005	0637	吳秉翰	Jiun-Chin He(何俊欽), Bing-Han Wu(吳秉翰), Cheng-Han Hsieh(謝承翰), and Hong-Bing Tsai(蔡宏斌)*	宜蘭大學	Effect of Dyes on the Optical Properties of polyurethane Dispersions
GP006	0585	吳萱萱	Hsuan Hsuan Wu, Shih-Hong Hsu and Tsair Wang Chung*	中原大學	Preliminary study on the hydrolysis of peanut protein to peptide by using microwave digest system
GP007	0550	柯奕豪	Yi-Hao Ko(柯奕豪), So-Long Lai(賴首隆), and Gow-Bin Wang(王國彬)*	長庚大學	Optimal Design of Various MTBE Synthesis Processes
GP008	0543	陳廷翰	Ting-Han Chen (陳廷翰), Yi-Ning Ying (殷翊寧), Jyh-Shyong Chang (張志雄), and Gow-Bin Wang (王國彬)*	長庚大學	Optimal Design of Etherification of Glycerol with Isobutene by Reactive Distillation
GP009	0478	陳博楷	Po-Kai Chen, Si-Hua Zhong, Wan-Chin Yu*	臺北科大	Quasi-Solid State Dye-Sensitized Solar Cells Based on Iodine-Free Electrolytes Gelled with Metal Oxide Nanoparticles
GP010	0462	李瑞元	Lin H.-F. (林翰甫) and Lee J.-Y. (李瑞元)*	臺北科大	Multi-Footprint Constrained Energy Sector Planning

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GP011	0443	林瑞麒	Lin J.C.(林瑞麒), Cheng Y.H.(鄭逸弘), and Hwang S.H.(黃世宏)*	成功大學	Stability Diagrams for Robust Optimal Design of Run-to-Run Control Subject to Metrology Delay
GP012	0420	李瑞元	Tseng L.-H. (曾俐華) and Lee J.-Y. (李瑞元)*	臺北科大	Design and Scheduling of Hybrid Power Systems
GP013	0416	張育維	Yu.-Wei Chang1 (張育維), Yi-Ming Sun1,2,3* (孫一明)	元智大學	Lignin Recovery by Solvent Extraction from the Brown Solid Residues from Enzymatically Hydrolyzed Rice Straws
GP014	0400	劉聯惠	Robert L. H. Liu*, Wesley W. C. Tsai, J. Y. Wu, L. C. Ke, L. Y. Juang, H. L. Tsai, M. J. Gau, Y. K. Huang, B. R. Chen, J. A. Chen, Y. R. Deng, S. H. Lu	明新科大	A Study to Synthesize Magnetic Photocatalysts from Catalyst Waste
GP015	0373	葉竣凱	Yeh C.K.(葉竣凱), and Lee H.Y.(李豪業)*	臺灣科大	Polystyrene Grade Transition Problem by Using Model Predictive Control Approach
GP016	0366	張傑凱	Jie-Kia Chang (張傑凱), Jyh-Chiang Jiang*(江志強)	臺灣科大	Theoretical study on Hybrid organic and inorganic Perovskite Solar Cells-Effects of dopants and water exposure
GP017	0337	王森	Sen Wang, Jian-Wen Wang and Wan-Chin Yu *	臺北科大	Cellulolytic Enzymes Production via Solid-State Fermentation of Trichoderma reesei and Aspergillus niger for Saccharification of Napier Grass
GP018	0285	林芸竹	Lin Y.C.(林芸竹)、 Liu F.J.(劉鳳錦)*	聯合大學	Study on the alcohol yield of grapes ferment at different temperature, yeast quantity and time
GP019	0267	陳宇軒	Chen Y.S.(陳宇軒), Jow J.J.((卓錦江)*), Chen H.R.(陳和瑞), Luo P.F.(羅平風), Ling T.R.(林宗榮)	高雄應用科大	Preparations of steelmaking slag modifier using aluminium dross as raw materials—Stabilization and manufacture of granules
GP020	0261	簡元祥	Jian Y.S.(簡元祥), Lin Y.W.(林逸偉), Jeng J.C.(鄭智成)*	臺北科大	Data-Driven Nonlinear Control Design: An Extended VRFT Method Based on Block-Oriented Modeling
GP021	0258	朱恆毅	Heng-Yi Chu(朱恆毅), Hao Chen(陳皚), Jyh-Cheng Jeng(鄭智成)*	臺北科大	Optimal Design of Hybrid Osmosis Processes under Different Water and Power Demands

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GP022	0242	張翔寧	Chang H.N. (張翔寧), Chen D.Y. (陳登陽), Lee.H.Y. (李豪業)*	臺灣科大	Control Study on Diphenyl Carbonate Reactive Distillation via Thermally Coupled Configuration
GP023	0240	陳君霖	Chen J.L.(陳君霖), Lu Y.S.(盧彥劭), Lee H.Y.(李豪業)	臺灣科大	Simulation and Analysis of Chemical Looping Processes to Produce Hydrogen with CH4 Fuel
GP024	0176	江淳絜	Chun-Chieh Chiang (江淳絜), Gui-Bing Hong(洪桂彬)*	臺北科大	A green approach for the synthesis of SnO2 nanoparticles via extract of Litsea cubeba
GP025	0142	張煖	潘人豪, 陳奕勸, 童國 倫, 張煖*	淡江大學	Experimental study of carbon dioxide membrane absorption and stripping
GP026	0127	游林軒	You L.X. (游林軒), Chen J. (陳榮輝)*	中原大學	Just-in-time Principal Component Analysis Based Soft-sensors for Nonlinear Chemical Processes
GP027	0109	傅景瑞	Cho.C.M (卓志明), Chuang.K.S (莊高樹), Yu.Y.H (余翊華), He.J.L (何政霖), Kao.L.H (高立衡)	高雄應用 科大	Alumina composite hollow fiber membranes for desalination applications
GP028	0097	王聖潔	Li Shi (師麗), San- Jang Wang (王聖潔)*, Kejin Huang (黃克謹) and David Shan-Hill Wong (汪上曉)	清華大學	Performance Improvement of Reactive Dividing-Wall Distillation by Vapor Recompression Heat Pump
GP029	0095	陳逸航	周君頤, 陳逸航*, 宋 振銓, 張煖	淡江大學	Development of an operational research model for CO2 capture tower with chemical absorption
GP030	0077	簡文鎮	Chien W.C.(簡文鎮), Chen S.P.(陳松柏) and Li C.H.(李佳宜)	明志科大	Analysis of physical properties of recycled polylactic acid materials
GP031	0067	林耿賢	Lin K.H.(林耿賢), Lai T.Y.(賴梓溢), and Wu W(吳煒)*	成功大學	Exergy Analysis and Economic Evaluation of Hydrogen Production System Using Cu-Cl Thermochemical Cycle
GP032	0059	張丞毅	Chang C.Y(張丞毅), Liu F.J ((劉鳳 錦)*),Chiu Y.C(邱英 政),Huang W.C(黃瑋 琪),Huang H.Y(黃泓 穎),Hsu C.P(徐嘉珮)	聯合大學	Application of Taguchi method for improving the process parameters for liquor yield from uncooked rice wine
GP033	0057	劉佳霖	Zheng-Sheng Lu (盧正 笙), Jialin Liu (劉佳 霖)*, Ding-Sou Chen (陳丁碩)	東海大學	Minimization of Heat Requirement for Regenerating Aqueous Ammonia and Washing Water in CO2 Capture

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GP034	0056	劉佳霖	Chung-An Lee (李仲安), Jialin Liu (劉佳霖)*, Ding-Sou Chen (陳丁碩)	東海大學	Absorber Sizing for CO ₂ Capture Base on Aqueous Ammonia
GP035	0054	張煖	沈明典, 黃聖夫, 陳逸航, 陳令珏, 張稚柔, 張煖*	淡江大學	Development of dynamic rate model for carbon dioxide chemical absorbers
GP036	0037	賴彥霖	Lai Y.L.(賴彥霖), Chen P.C.(陳寶祺)*	龍華科大	Capture of CO ₂ in a bubble-column scrubber using sodium glycinate solution
GP037	0022	范淑茜	Shu-Chien Fan (范淑茜), Yi-Chen Chao (趙乙綦), Bo-Wei Wu (吳柏緯), Yu-Chang Huang (黃宇璋), Chung-Wen Kuo (郭仲文)*, Tzi-Yi Wu (吳知易)*	高雄應用科大	Electrochemical characterization of copolymer based on indole-6-Carboxylic acid and 2,2'-bithiophene
GP038	0021	范淑茜	Po-Ying Lee (李柏穎), Shu-Chien Fan (范淑茜), Bo-Wei Wu (吳柏緯), Yu-Chang Huang (黃宇璋), Chung-Wen Kuo (郭仲文)*, Tzi-Yi Wu (吳知易)*	高雄應用科大	Electrochemical characterization of electrochromic device based on poly(tris(4-carbazoyl-9-ylphenyl)amine) and 3,3-diethyl-3,4-dihydro-2H-thieno[3,4-b][1,4]dioxepine
GP039	0014	劉寬仁	Liou K.R.*, Ling P.C	財團法人塑膠工業技術發展中心	Research of thermoplastic polyester elastomer apply to Waterproof breathable membrane.

觸媒及反應工程

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CR001	0027	高易諄	Gao Y.J. (高易諄), Hung S.W. (黃信惟), Ho K.S.(何國賢*)	高雄應用科大	Polyaniline chelated cobalt based catalyst as cathode catalyst for proton exchange membrane fuel cell
CR002	0029	陳宥儒	Chen Y.R.(陳宥儒), Chen C.K.(陳勁愷), Chen B.H.(陳炳宏)*	成功大學	Study on Catalyzed Etherification of Polyglycerol with Zeolite ZSM-5 and LTA
CR003	0031	黃志文	Chih-Wen Huang, Guan-Ting Pan, Siewhui Chong, and Thomas C.K. Yang,	臺北科大	The study of carbon monoxide oxidation on highly efficient Au/TiO ₂ nanoparticles
CR004	0040	王芝貽	Zhi-Yi Wang, Yi-Fan Chen, Guan-Ting Pan, Siewhui Chong, and Thomas C.K. Yang	臺北科大	The study of nitrous oxide oxidation over copper-doped lanthanum perovskite catalyst
CR005	0103	韓家文	*呂春美、韓家文	勤益科大	Cu-Ni metal / TiO ₂ catalyst in the SCR performance experiment
CR006	0129	黃建良	黃建良*、林慶堂、李盈傑、李秋煌	工業技術研究院	Process capability studies of the industry catalyst development
CR007	0173	翁翠霞	Weng T.H.(翁翠霞), Fu J.Y.(傅靖雅), and Chen C.C.(陳錦章)*	臺中教育大學	Bi ₃ O ₄ Br/Bi ₂ O ₃ /g-C ₃ N ₄ Heterojunctions: Synthesis by Controlled Hydrothermal Method and Their Photocatalytic Properties
CR008	0174	吳俊達	Chao-Huang Chen(陳朝煌)*, Chiung-Hui Huang(黃瓊輝), Jyun-Da Wu(吳俊達), His-Yen Hsu(許希彥), and Chiou-Hwang Lee(李秋煌)	工業技術研究院	Catalytic hydrogenation of phthalate esters by fixed-bed reactors---effect of catalyst size and packing length
CR009	0201	林致遠	Lin C.Y.(林致遠), Chou F.C.(周芳群), Lu Y.F.(盧羿甫), Lee F.C.(李富正), Tsai D.H.(蔡德豪)	清華大學	Synergistic Catalysis of Methane Combustion using Cu-Ce-O Hybrid Nanoparticles with High Activity and Operation Stability
CR010	0219	王建緯	Chi-Jung Chang*(張棋榕), Hau-Ting Weng(翁豪廷), Chien-Wei Wang (王建緯)	逢甲大學	Efficient photocatalytic hydrogen production by CuS-zincoxysulfide/g-C ₃ N ₄ photocatalysts
CR011	0223	黃滙馨	Huang H.H.(黃滙馨), Hu C.C.(胡哲嘉)*	中原大學	Electrospun SrTiO ₃ nanofibers Photocatalyst for Decolorization and Degradation of Organic Pollutants

地點：中央大學 工程一館三樓 (11 月 26 日 9:30 ~ 12:30)

報告編號	論文編號	報告作者	共同作者	單位	論文題目
CR012	0225	洪偉真	Hong W.J. (洪偉真), Hu C.C.* (胡哲嘉)	中原大學	Photocatalytic Degradation of Methyl Blue Using a P-doped g-C ₃ N ₄ Photocatalyst Under Visible Light Illumination
CR013	0275	黃彥禎	Huang Y.C. (黃彥禎), Liu S.P. (劉思屏), and Lee T.C.(李岱洲)*	中央大學	Photocatalytic Hydrogen Evolution from SiO ₂ @ZnIn ₂ S ₄ Nanoparticles Synthesized Using Microwave-assisted Hydrothermal Method
CR014	0278	李文鴻	李文鴻 1*, 陳華偉 2, 洪桂彬 3	黎明技術學院	Characteristics and application of the modified nano titanium dioxide thin film
CR015	0323	李國禎	Kuo-Tseng Li* (李國禎), Juan-Ying Li (李俊穎) and Hsin-Huey Li (李昕蕙)	東海大學	Conversion of Glycerol to Lactic Acid over Cu-Zn-Al and Copper Chromite Catalysts
CR016	0345	王愷廷	Kai-Ting Wang (王愷廷), Jyh-Chiang Jiang*(江志強)	臺灣科大	Microkinetic Study of Temperature-Programmed Desorption of NH ₃ and H ₂ O on Iridium Oxide (110)
CR017	0347	吳俊達	Shu-Hua Chan(詹淑華), Chien-Liang Hwang(黃建良)*, Jyun-Da Wu(吳俊達)	工業技術研究院	The effect of carbon monoxide on Dimethyl Terephthalate hydrogenation to Dimethyl 1,4-Cyclohexanedicarboxylate over precious metals support catalyst
CR018	0412	葉俊毅	Jyun-Yi Yeh, Yu-Yuan Huang and Chia-Wen Wu*	臺灣大學	De novo synthesis of Cr-embedded MOF-199 and derived CuCr ₂ O ₄ /CuO porous composites for enhanced phenol hydroxylation
CR019	0467	康庭慈	Kang T.C., Kevin.C.-W.Wu	臺灣大學	Catalytic cleavage of benzyl phenyl ether with sodium borohydride-assisted liquid phase hydrogenolysis
CR020	0493	張博雅	Yen-Pei Yi(嚴佩宜), Po-Ya Chang(張博雅), I-Hsang Tseng(曾怡享)*	逢甲大學	Evaluation of photocatalytic activity of vanadium oxide-decorated graphene oxide
CR021	0494	劉祐誠	Liu Y.C.(劉祐誠), Nachimuthu S., Yu C.H.(俞承宏), Jiang J.C.(江志強) and Lin S.D.(林昇佃)*	臺灣科大	Low/Mid-Temperature C-H Activation of CH ₄ : Experiments and Density Functional Theory Calculations
CR022	0521	張哲魁	Chang T.K.(張哲魁), Su W.B.(蘇維彬)*	臺灣中油	Re-use of spent palladium-based catalyst in pyrolysis gasoline hydrotreater
CR023	0529	宋宇敏	Chen Y.F.(陳奕福), Sung Y.M.(宋宇敏), Tseng I.H.(曾怡享)*	逢甲大學	Photocatalytic reduction of CO ₂ by graphene oxide supported gold nanoparticles

地點：中央大學 工程一館三樓 (11 月 26 日 9:30 ~ 12:30)

報告編號	論文編號	報告作者	共同作者	單位	論文題目
CR024	0534	劉彥君	Yen-Chun Liu(劉彥君)*, Ching-Yu Chang(陳醇羽)	吳鳳學校財團法人吳鳳科大	A study to produce lithium-ion battery's Titanium-containing negative electrode material from SCR catalysts
CR025	0676	林冠宇	Kuan-Yu Lin, Jeffrey C. S. Wu* and Kamila Koèi*	臺灣大學	Improvement of CO2 Photoreduction by Coupling Photocatalyst with Hydrophobic Montmorillonite
CR031	0028	陳瑩蓁	Chen Y.C.(陳瑩蓁), Lee Y.T.(李育庭), and Chen B.H.(陳炳宏)*	成功大學	Study on Mechanism of Transesterification Reaction of Soybean oil by Using Lithium-loaded All-Silica Zeolite BEA

輸送現象及分離技術

地點：中央大學 工程一館三樓 (11 月 26 日 13:30 ~ 16:15)

報告編號	論文編號	報告作者	共同作者	單位	論文題目
TP018	0018	張有義	Chang Y.I. (張有義)*	東海大學	Effects of the DLVO interaction forces on the Brownian colloidal deposition behavior in the micro-channel when the diffusiophoretic effect is considered.
TP019	0194	房宣佑	Fang H.Y. (房宣佑), Huang A.N. (黃安妮), Kuo H.P. (郭修伯)*	長庚大學	A Study of Gas-Solid Swirling Flow using CFD
TP020	0199	黃世揚	Huang S.Y. (黃世揚), Kuo H.P. (郭修伯)*	長庚大學	Numerical Studies of Rice Husk Fluidized Bed Pyrolysis
TP021	0254	瑞里卡	Sonika Arti	Guru Nanak Dev University, Amritsar	Thermodynamic and transport properties of aqueous cetyltrimethylammonium bromide in presence of polyhydroxy compounds
TP022	0389	賴靖元	Ho C.D. (何啓東)*, Chen L. (陳俊成), Chen S.T. (陳詩婷), Chen Y.A. (陳禹安), Chao Y. (趙貽) and Lai J.Y. (賴靖元)	淡江大學	Modeling of Air Gap Membrane Distillation Modules with Inserting Carbon-Fiber Spacers
TP023	0413	黃靖翔	Jing Xiang Huang, Yi-Je Juang*	成功大學	Elimination of side-wall effect for particle/cell alignment in standing surface acoustic wave microfluidics
TP024	0424	吳耿東	Wu K.-T. (吳耿東), Chyou Y. P. (邱耀平), Tung Y. C. (東吟靜), Chen P. C. (陳柏壯), Hsu H. T. (許弘德), Chang W. C. (張維峻)	中興大學	Hydrodynamic Behaviour of Novel Interconnected Fluidized Beds for Biomass Gasification with Carbon Dioxide Capture Simultaneously
TP025	0477	林志原	Chih-Yuan Lin (林志原), Li-Hsien Yeh (葉禮賢)*, Shiojenn Tseng (曾琇瑱), Jyh-Ping Hsu (徐治平)*	臺灣大學	Ion Transport in a Nanopore Modified with Bipolar Polyelectrolyte Brushes
TP026	0495	吳和晉	Chang C.C. (張嘉晉), Shih C.H. (施志欣)*	逢甲大學	A simple and cost-effective microfluidic viscometer on a centrifugal platform
TP027	0511	楊淑端	Yang S.T. (楊淑端), Lin C.Y. (林志原), and Hsu J.P. (徐治平)*	臺灣大學	Ionic current rectification in a conical nanopore: different types of salt
TP028	0722	陳文華	Hung F. (洪凡), Yen F.Y. (顏豐裕) and Chen W.H. (陳文華)*	核能研究所	Simulation Study of Enzymatic Hydrolysis Reactor at High-Solids Loading Using CFD

TP029	0730	曾琇瑱	Tseng S. J.(曾琇瑱)*, Wu H. H., Lin C.Y. and Hsu J.P.(徐治平)	淡江大學	Ionic Transport in a Polyelectrolyte Modified Conical Nanopore
TP031	0100	陳映賜	陳映賜 (Ying-Cih Chen)、薛梓湖 (Tzu-Hu Hsiue)、駱竑儒* (Hong-Ru Luo)	宜蘭大學	Heat Pump Assisted Pressure-Swing Distillation System for Separation of Binary Homogeneous Minimum Azeotropic Mixture
TP032	0113	陳錫仁	李寧、沈坤榮、陳錫仁*	淡江大學	Heat Exchanger Network Synthesis for the Vinyl Acetate Monomer Process
TP033	0134	陳朝鈺	Chao-Yuh Chen (陳朝鈺)*, Wei-Hsin Lai (賴維新), Jen-Yaw Chang (張仁耀) and Chung-Chen Lai (賴宗成)	臺灣中油股份有限公司煉製研究所	The Study of LPG or Naphtha Cracking of Ethylene Plant
TP034	0634	張幼珍	Yu-Chen Chang ¹ *, Kuei-Yuan Cheng ² , Wen-Hsien Yang ² , Chih-Wei Hsieh ²	元智大學	Temperature Effect of Dispersed Phase Materials in Slit Coating Process
TP035	0635	張幼珍	Chang Y.C. (張幼珍) and Chen H.C. 陳漢強	元智大學	Numerical Simulation of Hot Melt Fluid Flow Behaviours
TP036	0045	吳宏達	Honda Wu (吳宏達)* and Tsair-Wang Chung (鍾財王)	崇右技術學院	Effects of Interfacial Behaviors Affected by Adding Ethanol to Surface of a Desiccant Solutions
TP037	0232	許祐誠	Hsu Y.C. (許祐誠), Chih M.H. (池孟修), Lee H.L. (李宏霖), and Lee T. (李度)*	中央大學	The culprit of gout: triggering factors and formation of monosodium urate monohydrate
TP038	0234	曾子珉	Tzu-Ming Tseng(曾子珉), Hung Lin Lee(李宏霖) and Tu Lee(李度)*	中央大學	Direct co-crystal assembly from synthesis to co-crystallization
TP039	0250	卡迈勒	KAMALJEET KAUR	GURU NANAK DEV UNIVERSITY, AMRITSAR, PUNJAB, INDIA	Transport properties and relaxation studies of some polyhydroxy solutes in presence of L-glycine.
TP040	0268	菲斯雅	Lini F. Z.(菲斯雅) and Lee T.(李度)*	NATIONAL CENTRAL UNIVERSITY	Co-crystallization of 2:1 mole/mole Co-crystal of Benzoic Acid and Sodium Benzoate using 4:1 v/v of Ethanol-Water Co-solvent by Direct Co-crystal Synthesis Method
TP041	0507	謝尚宏	Hsieh S.H. (謝尚宏), Tseng S.J. (曾琇瑱), Hsu J.P. (徐治平)	臺灣大學	Diffusiophoresis of a pH-regulated toroidal polyelectrolyte in a solution containing multiple ionic species

TP042	0526	郭家宏	Kuo C.H.(郭家宏)*	高雄海洋科大	Mass transfer kinetics in vacuum osmotic dehydration of watermelon rind
TP042	0393	蕭凱鴻	Hsiao K.H.(蕭凱鴻), Chao L.(趙玲)	臺灣大學	Using Magnetic Field to Purify Membrane Proteins in Supported Cell Plasma Membranes
TP043	0231	吳紹暘	Wu S.Y.(吳紹暘), Tsai Y.C.(蔡宜蓁), Lee H.L.(李弘霖), Lin T.Y.(林宗諺), Chang Y.H.(張芸瑄) and Lee T.(李度)*	中央大學	Metal-organic framework engineering: directed assembly from molecules to spherical agglomerates
TP044	0720	金浩宇	Hao Yu Chin(金浩宇), Bor Kae Chang(張博凱)*	中央大學	Study of Acid-Modulated UiO-66 Using Experimental and Computational Techniques
TP045	0071	蕭立鼎	Shiau L.D. (蕭立鼎)*, Lin Y.H. (林宜萱), Pan L.C. (潘立宸)	長庚大學	The implicit relationship between the pre-exponential factor and interfacial energy among various solvents for a crystallization system
TP046	0093	林威廷	Lin W.T., Su C.Y., Zhu J.Y., Kuo Y.T., Wan H.P.*	工業技術研究院	Evaluating the Cost of Different Separation Method for Organic Acid by Simulation
TP047	0143	林威丞	Wei-Cheng Lin1 (林威丞)、 Ruey-Shin Juang1,2* (莊瑞鑫)	長庚大學	Plasma Modification of Polymer Membrane Supports for Improving Stability of the Supported-Liquid-Membrane Processes
TP048	0238	王明儀	Hsu S.H. (徐世鴻), Chen B.L. (陳柏霖), Chung T.W. (鍾財王)*	中原大學	Analysis of protein extraction from Jatropha de-oiled cake and Microfiltration process optimization by Experimental Design Methodology
TP049	0273	傅柏歲	Po Wei Fu 1, Yu Jen Ko 2, Tung-Wen Cheng 3*, Yi-Jheng Liao4	淡江大學	Performance of PVDF hollow fiber in membrane distillation
TP050	0276	楊汶姍	Wen-Shan Yang, Fang-Yi Yen, Tung-Wen Cheng*, Ching-Wen Tao	淡江大學	PVDF composite membrane for direct contact membrane distillation
TP051	0382	任立揚	Ho C.D.(何啓東)*, Chen L.(陳俊成), Jen L.Y.(任立揚), Lin G.H.(林冠宏), and Chuang Y.H.(莊宥宏)	淡江大學	The Theoretical and Experimental Studies of Carbon Dioxide Absorption through a Gas-Liquid Membrane Contactor
TP053	0398	許儷馨	Hsu L.H.(許儷馨) and Suen S.Y.(孫幸宜)*	中興大學	Preparation of MCM-41/PDMS mixed matrix membranes for pervaporation of ethyl acetate from water
TP054	0417	陶方廷	Fang-Ting Tao(陶方廷), Kuo-Jen Hwang(黃國楨), Kuo-Lun Tung(童國倫)	淡江大學	Wash-up Effluent Treatment by Membrane Filtration for Water-based Flexo Inks Production Process

TP055	0444	黃文澤	Huang W.Z. (黃文澤) and Sun Y.M. (孫一明)*	元智大學	Ectoine Desalting by Nanofiltration with Surface Modified Membranes
TP056	0466	張倩瑜	Chang C.Y. (張倩瑜), Chuang Y.H. (莊詠涵), Sun Y.M. (孫一明)*	元智大學	Electrodialysis with Filtration Membranes for the Separation of BSA and α -Amylase
TP057	0633	陳奕叡	Yi-Rui Chen (陳奕叡), Chien-Hua Chen (陳建樺), Tian-Shiun Huang (黃田薰), Chia-Chieh Ko (柯家傑), and Kuo-Lun Tung* (童國倫)	臺灣大學	A New Family of High-Performance Ceramic Hollow Fiber Membranes
TP058	0024	張正生	張正生, 蔡德華*, 闕盟昌, 馮立仁, 張宗林	亞東石化股份有限公司	Kinetics and Equilibrium Studies on Adsorption of Cobalt(II) and Manganese(II) Ions from Chloride Solutions Using Iminodiacetic Acid Chelating Resins.
TP059	0052	陳子明	Chen T.M. (陳子明), Tung K.L. (童國倫), Wu C.W. (吳嘉文), Wu C.S. (吳紀聖)	臺灣大學	Enhancing Pre-esterification of Biodiesel Process by Pervaporation
TP060	0126	陳兆泰	Chao-Tai Chen(陳兆泰)*, Chong-Chien Lai(賴宗成), Ken-Yen Chiu(邱坤源), Choung-Hsi Sue(蘇崇禧)	臺灣中油公司煉製研究所	A Case Study of Analyzing the Dehydration Efficiency on Troubleshooting and Optimizing the Refinery Desalter Operations
TP061	0283	張筑涵	Chang C.H. (張筑涵), Su Y.S. (蘇彥韶), Yeh L.H. (葉禮賢)	雲林科大	Rectifying Ion Transport in a Conical Nanopore Functionalized with Biomimetic Lysine Groups
TP062	0377	張鑑舜	Chang C.S. (張鑑舜), Huang Y.J. (黃瑜傑), Yang H.S. (楊閔舜), Chou C.T. (周正堂)*	中央大學	High-purity hydrogen production by cyclic sorption-enhanced reaction process
TP063	0693	邱羽婷	Chiou Y.T.(邱羽婷), Chen F.(陳馥),and Yeh L.H.(葉禮賢) *	雲林科大	Energy Conversion from Salinity Gradients through a pH-Regulated Nanopore
TP064	0721	吳昶諭	Chang-Yu Wu(吳昶諭), Bor Kae Chang(張博凱)*	中央大學	Preparation of Different Morphology ZIF-78 Crystal and ZIF-78 / Polymer Membrane