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## 有機化學

## 壁報論文目錄 OR001~OR087

編號	題目及作者
OR001	N-alkylation of amines with alcohols catalyzed by Iridium Complex <i>閻巧紋* · 陳存仁</i>
OR002	Synthesis of Tropone Derivatives <i>Gon-Ann Lee* · Pei-Yi Shih</i>
OR003	以三價鐵在水中進行高選擇性的 Cadiot–Chodkiewicz 偶聯反應合成不對稱 1,3-丁二炔衍生物 <i>Yi-An Liao (廖翊安)* · Fu-Yu Tsai (蔡福裕)</i>
OR004	水溶性鈀觸媒進行具選擇性的 3-和 4-溴香豆素之 Suzuki-Miyaura 反應 <i>施光禹* · 洪英棋 · 蔡福裕</i>
OR005	利用掌性硫陽離子進行位置與位向選擇苄基化反應 <i>許少宣* · 劉維民</i>
OR006	二硫化物–烯類加成反應之研究:應用於合成抗體藥物共軛物 Development of Disulfide–Ene Addition Reaction for Synthesis of Antibody–Drug Conjugates <i>翁碩臨 ( Shuo-Lin Weng)*, 方俊民 ( Jim-Min Fang)</i>
OR007	N-Alkylation of Amines Catalyzed by graphene supported iridium <i>Fang-Wei Kuo(郭芳瑋)* · Yu-Hsiang Wang(王郁翔) · Tsun-Ren Chen(陳存仁)</i>
OR008	Application of 2,7-dibromospiro[fluorene-9,9'-thioxanthene] 10',10'-dioxide as Auxiliary acceptor for D-A- $\pi$ -A dyes to dye-sensitized solar cells under one sun and indoor light research efficiency <i>Yuan-Jay Chang* · Ying-Sheng Lin · Hsin Li</i>
OR009	Organophosphate-Promoted Synthesis of Functionalized $\alpha,\beta$ -Unsaturated Alkenes and Furanones via Direct $\beta$ -Acylation <i>Yin-Hsiang Su* · Yan-Cheng Liou · You-Syuan Ke · Athukuri Edukondalu · Wenwei Lin*</i>
OR010	Synthesis of Oligo-peptide by Native Chemical Ligation via Photocleavable Auxiliary on Glutamic acid <i>Yi-Chen Huang* · Chun-Cheng Lin</i>
OR011	Rapid Synthesis of Deoxythiodigalactoside Derivatives for In Situ Screening of Galectin Inhibitors <i>Yu-Ju Peng* · Dana C. Punelas · Hsien-Ya Lin · Yen-Hsi Kuo · Peng-Yuan Chen · Zhijay Tu</i>
OR012	Absolute Configurations of Topologically Chiral [2]Catenanes and the Acid/Base-Flippable Directions of Their Optical Rotations <i>Tzu-Yi Tai* · Yi-Hung Liu · Chien-Chen Lai · Shie-Ming Peng · Sheng-Hsien Chiu (corresponding author)</i>
OR013	Novel hole-transporting materials based on propellane and 10'H-spiro[fluorene-9,9'-phenanthren]-10'-one for perovskite solar cell <i>Yu-Lin Chiu* · Yuan Jay Chang*</i>
OR014	牡丹皮之成份研究 <i>李理晶 · 黃珮庭* · 謝秉均 · 李佳穎</i>

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OR015	Palladium-Catalyzed Late-Stage Ortho-C-H Bond Arylation and Alkylation of 9(10H)-Acridanone Utilizing 2-Pyridinyl as a Removable Directing Group <b>Jean-Ho Chu*</b> · Zhe-Hong Su · Ko-Wang Yen · Hsuan-I Chien
OR016	Enhanced Purine-type Anticancer Agents Conjugated with HDAC Inhibitory Activity <b>Tsung-Jung Yang*</b> · Jim-Min Fang
OR017	Efficient Synthesis of Iminosugars as Bacterial $\beta$ -Glucuronidase Inhibitors <b>Chia-Yu Chen*</b> · Zhijay Tu · Punsaldulam Dashnyam · Hsien-Ya Lin · Chun-Hung Lin
OR018	An Intramolecular Wittig Approach toward Heteroarenes: Synthesis of Pyrazoles, Isoxazoles, and Chromenone-oximes <b>Chi-Yi Wu*</b> · Pankaj Khairnar · Tsai-Hui Lung · Yi-Jung Lin · Athukuri Edukondalu · Wenwei Lin*
OR019	Interleukin-1 beta as a target for inhibitor development for treatment of neurodegenerative diseases <b>Chung-Shan Yu*</b> · Yen-Po Lai · Kuo-Fong Hua · Zong-Kai Xue
OR020	茶衍生物構成藍光材料的合成及應用在有機發光二極體之研究 <b>韓耀鋒*</b> · 蘇裕閔 · 黃資勝 · 黃文堯* · 張美潑*
OR021	Squaramide-Catalyzed Asymmetric Michael-Michael cascade reaction of 3-homoacyl coumarin and methyleneindolinone to construct all carbon Spirooxindoles <b>Ting-han Lin*</b> · Sandip Vagh · Wenwei Lin*
OR022	Boron Complex and Photophysical Property Identification of 2-(2'-methylaminophenyl)benzothiazole <b>Xiao-Ci Huang, Min-Wei Wu, Xin-Cheng Li, Chun-Hsiang Huang, Chi-Min Chao*, Kuan-Miao Liu*</b>
OR023	Total Synthesis of Isosalvianolic Acid C <b>Zong-Xue Yu*</b> (余宗學) · Chieh-Yu Chou (周健妤) · Hsi-Jung Yu (游錫榕) · Ming-Jaw Don (董明兆)
OR024	Synthesis of Ortho-Alkylated/Arylated Dibenzosuberones via Palladium-Catalyzed Late-Stage C-H Bond Activation <b>Wan-Wen Huang (黃琬雯)*</b> · Ying Hul Chen (陳英惠) · Jean-Ho Chu(朱見和)
OR025	Multi-Responsive Polymeric Micelles for the Controlled Release of PTX drug <b>Nai-Wen Chang*</b> · Chao-Tsen Chen
OR026	Discovery of Purine-Type Small Molecule Conjugated with HDAC Inhibitor for Treatment of Non-Small Cell Lung Cancer and Breast Cancer <b>Yueh Lu*</b> · Jim-Min Fang
OR027	[Rh(COD)Cl] <sub>2</sub> /陽離子 2,2'-雙吡啶催化系統在水中以炔烴膦酸酯與有機錫行 Hydroarylation 反應 <b>田宥彤*</b> · 蔡福裕
OR028	Divergent Synthesis of Spirocyclohexene indane-1,3-diones and Coumarin-fused cyclopentanes via Organobase/Solvent Controlled Cascade reactions <b>Woei-Jye Chi*</b> · Sundaram Suresh · Wenwei Lin*
OR029	Photomechanochromic Fluorescence of Anthracene-Penttiptcene Derivatives: Effects of $\pi$ -Linkers <b>鄭巧曼*</b> · 楊吉水
OR030	Synthesis of Direct $\beta$ -Acyated Pyrazolones and Thiazolones with acyl chlorides catalyzed by organophosphanes <b>Pankaj khairnar*</b> · Yin-Hsiang Su · Yung-Chang Chen · Wenwei Lin*

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OR031	Synthesis and structural studies of piperic acid derivatives as molecular modulators for regulating islet amyloid polypeptide aggregation <b>Yen-Cheng Chao*</b> · Meng-Hsin Wu · Ling-Hsien Tu · Wei-Min Liu
OR032	Binary Iridium Complex as a Homogeneous Catalyst for Converting Benzylic Alcohol to Benzaldehyde <b>Huei-Ru Syu(許惠如)*</b> · Yong-Shun Chen(陳詠舜) · Huei-Sheng Pan(潘輝升) · Tsun-Ren Chen(陳存仁)
OR033	Design and Synthesis of ArylBenzothiazole- Pomalidomide Conjugates for Therapy of Neurodegenerative Diseases <b>Yu-Ling Tseng*</b> · Jim-Min Fang
OR034	Development of New Antibiotics Using Phosphoglycerate Derivatives as Transglycosylase Inhibitors <b>Yu-Ting Lu*</b> · Jim-Min Fang
OR035	Photomechanochromic Fluorescence of Anthracene-Penttiptycene Derivatives: Fluoro-Substituent Effects 胡雨旋* · 楊吉水
OR036	Doxorubicin-Salirasib Conjugated Anticancer Drugs for Liposomal Co-delivery <b>Tung-Yu Wu*</b> (吳東餘) · Jim-Min Fang (方俊民)
OR037	Synthesis and Photoluminescence Properties of Penttiptycene-Containing Gold(I)-Alkynyl Complexes. <b>Ting-Wei Wu*</b> · Jye-Shane Yang
OR038	Photophysical Properties and Torsional Motions of Bis-Amino Substituted Stiff-Stilbene System 李培璋* · 楊吉水
OR039	Synthesis and Hydrogen Sulfide Sensing Studies of 7-Azidoquinolinium Salt <b>Hung-Che Chen*</b> · Ting-Wen Wu, Chih-Hsuan Lien, Chi-Min Chaoa, Kuan-Miao Liua
OR040	Regio-specific tandem Michael-Michael-dehydrogenation reactions of unsaturated acyl indenone derivatives with 1,3-dicarbonyls <b>Bo-Jun Wang*(王伯鈞)</b> · Shun-Chau Khor(許舜綽) · Yu Chou(周煜) · Wen-Shao Yang(楊文劭) · Te-Fang Yang(楊德芳)
OR041	Tautomerism Study of Luminol Forms: Pyrazolopyridopyridazine Diones and N-Aminophthalimides <b>Cheng-Yen Chung*</b> , <b>Ching-Chun Tseng</b> , <b>Naoto Uramaru</b> , <b>Fung-Fuh Wonga</b>
OR042	Synthesis of Functionalized Benzofurans from para-Quinine Methides via Phospha-1,6-Addition/O-Acylation/Wittig Pathway <b>Yan-Cheng Liou*</b> · Wenwei Lin
OR043	Synthesis of Singly and Doubly Fenced porphyrins for Dye-Sensitized Solar Cells (DSSC) <b>Jia-Sian Chen*</b> · Chen-Yu Yeh
OR044	3-Homoacyl Coumarins as a Class of All-Carbon 1,3-Dipole Precursors: An Enantioselective Concerted (3+2) Cycloaddition towards Coumarin/Spiro-Indandione Fused Cyclopentanes <b>Sandip S. Vagh*</b> · Yi-Ru Chen · <b>Wenwei Lin*</b>
OR045	Expeditious Synthesis of 3-,3'-disubstituted Thiodigalactosides as Selective Galectin Inhibitors <b>Chia-Yi Hsu*</b> · Yi-Chen Chan · Zhijay Tu · Chun-Hung Lin

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OR046	A New Method for the Synthesis of Primary Amides and Amidine by Hexamethyldisilazane under Metal-Free Conditions <b>Qian-Yu Zeng*</b> · Yen-Sen Liao · Jia-Yu Wu · Chien-Fu Liang
OR047	Palladium-Catalyzed Regioselective C-H Olefination of $\beta,\gamma$ -Unsaturated Carboxylic Acid Derivatives with Vinyl Halides 顏肇庭* · 陳柏諺 · 張智皓
OR048	Synthesis, Characterization and Application Study of 7-Azidoquinoline-6-Carbonitrile <b>Hung-Che Chen*</b> · Yu-Hsuan Yang, Yen-Ching Huang, Chi-Min Chao, Kuan-Miao Liua
OR049	以鹼催化與自由基反應進行不飽和糖醛酸甲酯與硫醇具位置與位向選擇的 1,4-加成反應 馬詩婷* · 李嘉璋 · 劉維民
OR050	Synthesis and anti-inflammatory activity of methyl 1,2,4-triazole-3-carboxylates <b>Sin-Min Lia*</b> · Shuo-En Tsai · Ching-Chun Tseng · Fung Fuh Wong
OR051	Efficient C-O and C-N Bond Formation from Thioesters by Using Ce(OTf) <sub>3</sub> Catalytic System 陳禹廷* · 廖彥森 · 梁健夫
OR052	Azido Modification and Hydrogen Sulfide Sensing of 7-Nitroquinoline Derivative <b>Zhi-Bin Li*</b> · Yao-Wen Chang, Yu-Hsuan Yang, Yu-Syuan Guo, Chi-Min Chao, Kuan-Miao Liu
OR053	Efficient Synthesis of Benzimidazoles and Quinazolinones by using N-formylimide as a New Carbon Sources 林修億* · 黃馨誼 · 梁健夫
OR054	Construction of the Neu5Ac- $\alpha$ 2,3-(Neu5Ac- $\alpha$ 2,4)-Gal Moiety of Neuritogenic-Active Ganglioside SJG-2 <b>Yan-Ting Kuo*</b> · Hong-Jyune Lin · Chun-Cheng Lin
OR055	Facile Construction of Metallo-Supramolecular Diblock Copolymers and Highly Oriented Polymeric Materials Induced by a Magnetic Field <b>Tsung-Han Tu*</b> · Tsuneaki Sakurai · Shu Seki · Yasuhiro Ishida · Yi-Tsu Chan
OR056	Ce(OTf) <sub>3</sub> -Catalyzed One-Pot Thia-Michael Addition Using Sodium Thiosulfate as Sulfur Surrogate <b>Wei-Jr Liao*</b> · Yen-Sen Liao · Chien-Fu Liang
OR057	Synthesis of Functionalized Quinolines via Tandem Nitrilium Amination and Knoevenagel Condensation <b>Jing Wan*</b> · Mani Ramanathan · Shih-Tzung Liu
OR058	The Application of Novel Bis-N-heterocyclic Carbene-Pd Catalytic System for Suzuki-Miyaura Coupling Reaction 王萃* · 李東昇 · 陸大榮
OR059	Synthesis and application of sugar containing polysulfide material 林姣芯* · 林渝亞
OR060	Synthesis and application of bipyridine containing polysulfide material 柯俐安* · 林渝亞
OR061	Development of methodology towards the introduction of $\gamma$ -thiolactone in SPPS 曾子銘* · 林渝亞
OR062	The study of branched $\alpha$ -amino acids: An efficient method toward L-allo-enduracididine <b>Chia-Yen Chu*</b> · Yun-Ting Lu* · Zi-Yin Liu* · Cheng-Kun Lin*

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OR063	Synthesis of Dyes containing anthracene structure and copper electrolyte on Dye-sensitized solar cells <b>Yu-Cheng Lin*</b> , <b>Chen-Yu Yeh</b>
OR064	Synthesis and Characterization of 1,3,2-Benzodiazaboroles Substituted Tricarbazole and Benzo[4,5]imidazo[1,2-f]phenanthridine and Their Applications in Blue PhOLEDs and Anion Detection <i>Huei-Sin Wang</i> · <b>Sin-Ya Chien*</b> · <i>Man-kit Leung</i>
OR065	Regioselective Palladium-Catalyzed Hydroarylation Reaction of 3-Allyl-Chromones <b>Yi-En Liang*</b> · <i>Chia-Ling Lu</i> · <i>Hsu-Wei Fang</i> · <i>Wen-Tai Li</i>
OR066	Chemoenzymatic Synthesis of Asymmetric Human Milk Oligosaccharides <b>Kai-Eng Ooi*</b> · <i>Ching-Ching Yu</i>
OR067	Synthesis of Dihydropyrroles via a Two-step Reaction Sequence <b>Ming-Tsung Hsu*</b> · <i>Shiuh-Tzung Liu</i>
OR068	Green Synthesis for Quinazoline Derivatives with Various Side Chains <i>Bingyi Lin (林秉毅)</i> · <b>Yungtzung Huang*(黃榮宗)</b>
OR069	Green Synthesis of Thienopyrimidine by Anodic Cyclization <i>Yuchen Chan (詹宇晨)</i> · <i>Maogu Liu (劉茂谷)</i> · <b>Yungtzung Huang*(黃榮宗)</b>
OR070	Synthetic ADP-ribosylated- $\alpha$ -homocysteine Peptides <b>Chien-Kun Li*</b> · <i>Yu-Ya Lin</i>
OR071	Nipam 共聚化合物及功能性紡織品之應用 <b>蕭明璿*</b> · <i>芮祥鵬</i>
OR072	Catalytic Oxidative Cyclization of Cyclic Aminoalcohols by Osmium tetroxide /NMO or TPAP/ NMO and the Protecting Group-free Synthesis of Indolizidine 223AB & 3-epi-223AB <i>Wei-Lun Chen(陳維倫)</i> · <i>Lee-Ya Wang (王麗雅)</i> · <b>Yu-Jang Li*(李瑜章)</b>
OR073	磷亞胺-香豆素衍生物的合成以及推拉電子基對於反應動力學和光學性質的影響 <i>夏良宇</i> · <b>陳新露*</b> · <i>羅順原</i> · <i>朱智謙</i>
OR074	合成雙苯并咪唑結構配體與鈹金屬配位之催化劑應用於不對稱鈴木-宮浦偶合反應 <b>陳妍欣*</b> · <i>李東昇</i>
OR075	樟腦架構的手性配體催化有機鋅對醛類的不對稱加成反應 <b>魏葶榕*</b> · <i>李東昇</i>
OR076	One-pot Copper-Catalyzed Incorporation of Carbon Dioxide into Oxazolidinones in the Ionic Liquid Medium <b>Yu-Te Liu*</b> · <i>Hao-Chun Yang</i> · <i>Hsiu-Hui Chen</i>
OR077	Synthesis of Tumor Associated Carbohydrate Antigen Lea-Lea-lac and Leb-Lea-lac <b>Yi-Chia Su (蘇怡嘉)*</b> · <i>Ching-Ching Yu (游景晴)</i>
OR078	The study of water-soluble azodicarboxylates <b>Wei Li*</b> · <i>Yi Chou</i> · <i>Cheng-Kun Lin</i>
OR079	Palladium-Catalyzed Decarboxylative N-Allylation for Functionalized Sulfonamides Synthesis <b>劉子綸*</b>
OR080	Asymmetric 1,2-Oxidative Trifluoromethylation of Olefins <b>Yu-Cheng Su*</b> · <i>Chien-Tien Chen</i> · <i>Yi-Ya Liao</i> · <i>Bang-You Tsai</i> · <i>Tsung-Cheng Chen</i>
OR081	Asymmetric 1,2-Oxidative Trifluoromethylation and Oxidative Cleavage of Olefins <b>Chien-Tien Chen,* Bang-You Tsai, Yi-Ya Liao, Ya-Pei Chen,</b>

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OR082	Synthesis of 1,3-Dienes Scaffolds through Simple One-Pot Palladium-Catalyzed Directed C-H Olefination of Cyclohexadieneyl Carboxylic Acids <b>Yu-Chun Wang*</b> · Yen-Hsiang Huang · Hung-Chang Tsai · Chih-Ming Chou
OR083	Palladium-catalyzed Enantioselective and Regiospecific $\alpha$ -Allylation of 4-(Dicyanomethylene)-cyclohexa-2,5-diene Carboxylate Derivatives via Decarboxylative Aromatization <b>Cheng-En Hsieh*</b> · Chih-Yao Tsao · Cheng-Huan Chuang · Chih-Ming Chou
OR084	Total synthesis of ent-Nabscessin A 王偉益 · 吳欣穎* · 侯敦仁
OR085	Enantioselective Organocatalytic aza-Michael Addition of Heterocyclic compounds to $\alpha,\beta$ -Unsaturated ketones 陳詠心* · 侯敦仁
OR086	Synthesis of Porphyrin for Perovskite Solar Cells and Synthesis of Porphyrins for stabile Perovskite from Quaternary Ammonium Salt 郭宸敬* · 左紘屹 · 鄭瑋婷 · 葉鎮宇
OR087	混合丁烯與丙二醇之醚化反應研究 黃銘郁* · 林建琛 · 王逸萍

\*依序錄自學生提交之論文資料

## 分析化學

## 壁報論文目錄 AN001~AN085

編號	題目及作者
AN001	以 S- $\beta$ -環糊精當移動相添加劑在逆相液相層析上分離萘酚和萘甲醚位置異構物 林振興 · 俞仁涓 · 林宣慧 · 王晨閔* · 張書文
AN002	在深共熔溶劑中製備銀修飾電極作為吡喃它酮之感測器 潘維穎* · 謝伊婷
AN003	大氣中農藥殘留採樣及分析方法之開發 Yi-Ru Lai (賴奕如*) · Jenn-Feng Sheen (沈振峯)
AN004	液相層析串聯質譜儀結合放電套頭介面於蔬果中四氯異苯腈之殘留分析 Wen-Ling Lin (林玟伶)* · Jenn-Feng Sheen (沈振峯)
AN005	單根棉線氫氣氣體感測器的製備及其氣體感測特性探討 蘇平貴* · 林郭聖
AN006	Sensing on Disc: Nanogaps between Nanoparticles and Nanogroove-Textured Digital Versatile Disc as Cost-effective and Ultrasensitive SERS Substrates Tso-Yu Chang(張佐渝)* · Yu-Ling Chang(張育菱) · Dehui Wan(萬德輝)
AN007	以螢光素修飾銀奈米粒子用於檢測得恩地 林嫺妤* · 胡焯淳 · 邱泰嘉
AN008	探討超臨界流體對於深共熔溶劑製備之鈹奈米粒子/石墨烯複合材料之影響 陳靖穎* · 謝伊婷
AN009	二氧化碳超臨界流體層析對於天然物成份分析的研究 林宏璋* · 劉士維 · 宋武憲 · 彭于芳 · 魏國佐
AN010	Paper-Based Surface-Enhanced Raman Spectroscopy for Paraquat Poisoning Diagnosis Yu-Ling Chang* · Yu-Hsuan Chen · Hsuen-Li Chen · Dehui Wan
AN011	Synthesis and Electrochemical Properties of Spherical Lithium Nickel Manganese Oxide Cathode Material 黃明志 · 劉茂煌*
AN012	開發檢測血液中岩藻糖苷酶活性之電化學分析方法 游鎮宇* · 蔡惠燕
AN013	Rational Design Towards Universal and Superior Dual Polarity Matrix for MALDI Mass Spectrometry Penghsuan Huang* · Chun-Ying Huang · Ta-Chun Lin · Li-En Lin · Chuping Lee · Cheng-Chih Hsu · Pi-Tai Chou
AN014	Early Detection of Poultry Pathogen Infections by Mini Mass Spectrometer and Machine Learning Ewelina P. Dutkiewicz (伊玲杜) · Wei-Chieh Wang (王威傑)* · Hsin-Hsiang Chung (鍾興翔) · Cheng-Chih Hsu (徐丞志) · Wen-Chin Yang (楊文欽)
AN015	高溫熔融法製備不同形狀光纖探頭之性質探討 倪筠評* · 楊吉斯



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AN016	Synthesis and electrochemical properties of $\text{LiNi}_{0.75}\text{Co}_{0.15}\text{Mn}_{0.10}\text{O}_2$ cathode for lithium ion battery <i>沈伯叡 · 劉茂煌*</i>
AN017	利用陰陽離子交換膜進行海水淡化及在同裝置內進行有機物濃縮 <i>蘇汶吟* · 張廷州 · 王少君</i>
AN018	利用數位微流體介電潤濕結合化學放光偵測藻毒素 <i>丁奕榮* · 陳元裕 · 王少君</i>
AN019	天然中草藥除蚤類成份之研究 <i>楊崙暮* · 沈盈婷 · 凌櫻玫 · 王來好</i>
AN020	Affinity-Switchable Lateral Flow Assay (ASLFA) for the Rapid Detection of Fluoride Ion <b>Ching-Lan Huang(黃靖嵐)* · Kui-Thong Tan</b>
AN021	利用液相層析串聯質譜儀與液相層析搭配螢光偵測器定量分析青春激素及其應用 <i>黃熾心* · 吳晏如* · 紀淑芬 · 余宗翰 · 傅在峰 · 曾惠芬</i>
AN022	Selective deposition of polyelectrolyte via silane nanotopography-mediated process <b>Hsiao-Ching Hu* · Jie-Ren Li</b>
AN023	利用紫外光聚合膠修飾光纖製備表面增益拉曼光學傳感探頭 <b>Chen Wang(王禎)* · Jyisy Yang(楊吉斯)</b>
AN024	利用鎳鉻線熱壓法與樹酯薄膜製作的微流體濃縮裝置 <i>陳雅娟* · 王少君</i>
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AN026	金屬有機骨架材料 Ni-BTC 與還原石墨烯修飾網版印刷碳電極檢測食用色素 <i>吳仁瀚* · 李慧玲</i>
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IN046	利用水溶性還原法製備高純度之奈米銅線 <i>程耀毅 · 謝秉霖*</i>
IN047	以咪唑雙吡啶與 4,4'-聯苯二甲酸製備銻金屬有機框架化合物：合成、結構鑑定、氣體吸附與結構轉換 <i>黃筠雯* · 莊博閔 · 吳景雲</i>
IN048	Synthesis and Structural Characterization of Three Coordination Polymers Constructed by [Co(NCS) <sub>2</sub> ] with 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene (4-bpd) <i>Ssu-Tzu Tsai* · Chih-Chieh Wang · Liang-Yu Chen · Gene-Hsiang Lee</i>
IN049	Synthesis, Structural Characterization and Thermo-stability of A 2D Coordination Polymer, [Co(4-dpds)(BDC)(H <sub>2</sub> O) <sub>2</sub> ]-4-dpds <i>Zi-Ling Huang* · Yueh-Yi Tseng* · Chih-Chieh Wang · Gene-hsiang Lee</i>
IN050	Synthesis of imino aluminum complexes and their applications <i>Hsiang-Chin Juan* · Ting-Yu Lee · Wen-Hua Ku</i>
IN051	Imidazolium-indole salts as the proligands for the metal complexes and their applications <i>Shi-Cheng Yang* · Ting-Yu Lee · Szu-Han Chen</i>
IN052	鐵、硫和磷錯合物的合成與光照反應探討 <i>李建明 · 江權桂 · 李沅容*</i>
IN053	DUY 系列鈦金屬染料所敏化之太陽能電池的優化研究 <i>Chun-Guey Wu · The-Duy Nguyen · Yen-Po Lan*</i>
IN054	Hybridization of CRP and ROP for Synthesizing Block Copolymers of Polystyrene and Polycaprolactone Mediated by Titanocene Dichloride <i>Ying-Jhen Chen*(陳縈蕓) · Chi-How Peng (彭之皓)</i>
IN055	pH-Sensitive Polymersomes Formed from AB <sub>2</sub> -Type Amphiphilic Block Copolymers for Both Hydrophilic and Hydrophobic Drug Release <i>Yi-Ching Hung* (洪苙晴) · Chi-How Peng (彭之皓)</i>
IN056	Controlled radical polymerization of NVP, HEA, and DMA Mediated by Cobalt(II) (Salen-NEt <sub>2</sub> ) Complex in water <i>Yu-Yu Jen* (任濟羽) · Chi-How Peng (彭之皓)</i>
IN057	Cobalt(II) Phenoxy-imine Complex Mediated Radical Polymerization of Vinyl acetate <i>Yi-Lin Chen (陳羿霖)* · Chi-How Peng (彭之皓)</i>
IN058	Catalytic Chain Transfer Polymerization of Vinyl Acetate by Cobalt(II) Phenoxy-Imine Complexes <i>Kun-Te Chou* (周昆德) · Chi-How Peng (彭之皓)</i>
IN059	Stellated Metallo-Supramolecular Architectures Assembled from Multivalent and Complementary Ligands <i>Jun-Hao Fu (傅軍豪)* · Yi-Tsu Chan (詹益慈)</i>
IN060	Synthesis, Structures and properties and Water Adsorption Behavior of A series of 3D Coordination Polymers, [M(bpp)(5-Nipa)(H <sub>2</sub> O)]·H <sub>2</sub> O <i>Fang-Chi Lee* · Chih-Chieh Wang · Gene-Hsiang Lee</i>
IN061	單核四配位鈷(II)、混價六核錳及錳鈷混金屬錯合物的合成與磁性研究 <i>楊恩哲 · 蔡杰恩 · 潘珮嘉*</i>

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IN062	錳與大環配體金屬簇的合成與磁性研究 <i>楊恩哲 · 蘇微文 *</i>
IN063	Synthesis and Reactivity Studies of Asymmetric Chiral Boron Species <b>Ding-Nan Shih*</b> · Boobalan Ramalingam · Rong-Jie Chein · Ching-Wen Chiu
IN064	V-shaped Triazolyl Coordination Polymers: Syntheses, Structures, and Photoluminescence Properties <b>Tien-Wen Tseng,*</b> · Tzuoo-Tsair Luo, · Kuo-Yang Tseng
IN065	應用於鈣鈦礦太陽能電池的低溫製備電子傳遞層改質 <i>甘峻維* · 吳春桂</i>
IN066	Dehydrogenation of Ammonia-Borane Using Boron Cations <b>Wei-An Yen*</b> · Han-Ying Liu · Chia-Chen Chen · Isaac Furay Yu · Ching-Wen Chiu
IN067	A three-dimensional (3D) porous supramolecular architecture, {[Zn(dpe)(BDC)] · H <sub>2</sub> O · EtOH}, for the storage of toxic aromatics <b>Li-Chi Lu*, Yen-Lin Chen, Chih-Chieh Wang, Gene-Hsiang Lee</b>
IN068	Synthesis and Characterizations of 4'-(2-Furyl)-2,2':6',2''-terpyridine and its Chelating Co Complexes <b>Chia-Wei Yang*</b> · Yan-An Chen · I-Jui Hsua · Bo-Hao Chen · Yu-Chun Chuang · Jey-Jau Lee · Yuh-Sheng Wen
IN069	多功能雙銅、雙鉬金屬錯合物的合成、結構及性質探討 <b>Tzu-Hung Chen (陳子泓)* · Mu-Chieh Chang (張慕傑)</b>
IN070	新型態鈹金屬錯合物之合成與應用於鈴木耦合催化反應之研究 <i>邱鈺紋 * · 張裕昌</i>
IN071	Highly active magnesium complexes bearing imidazole, benzoxazole or benzothiazole-indolyl ligands as catalysts for ring-opening polymerization of L-lactide <b>Chi-Tien Chen* and Wen-Kai Wu</b>
IN072	探究立體效應不同的亞磷酸配位基在鈴木耦合反應機構中之作用 <i>許婉筠* · 蕭禾鑫 · 張裕昌</i>
IN073	設計具有兩種不同類型配位基之鈹金屬催化劑並應用耦合反應與碳-氫鍵活化反應之研究 <i>徐欣榆* · 張裕昌</i>
IN074	合成新穎的 Pd(II)金屬錯合物在微波下作為 Hirao 反應的有效催化劑 <i>魏穎潔* · 張裕昌</i>
IN075	Structural Characterization and Property of Two Cd(II) Coordination Polymers Constructed with 1,3,5-tris(4-pyridylsulfanyl-methyl)2,4,6-trimethyl-Benzene <b>Wei-Zhi Luo*</b> · Hsiao-Hsun Wang · Chih-Chieh Wang · Gene-Hsiang Lee
IN076	Synthesis and Physical Studies of Benzimidazole-Based Chemosensor for Metal Ion <b>Yu-Ci Chen*</b> · Meng-Ju Chan
IN077	Geometric and Electronic Structure Study on [Fe(2BTP)(bpy) <sub>2</sub> ](ClO <sub>4</sub> ) <sub>2</sub> (C <sub>2</sub> H <sub>5</sub> OH) <b>Chang-Yun Li *</b> · I-Jui Hsu · Bo-Hao Chen · Yu-Chun Chuang · Jyh-Fu Lee · Chung-Kai Chang · Hwo-Shuenn Sheu
IN078	Synthesis of Trinuclear Complex Based on a Non-Innocent Multidentate Ligand <i>Lin-Chieh Cheng · Mu-Chieh Chang*</i>

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IN079	多金屬中心吡啶錯合物之合成與鑑定 <i>黃凱彥* · 張慕傑</i>
IN080	Boron Cation Catalyzed Hydrosilylation <i>Hsi-Ching Tseng, Yen-Tzu Huang, and Ching-Wen Chiu* · 曾喜青, 黃研慈, 邱靜雯</i>
IN081	設計具有兩種不同亞磷酸配位基之鈮金屬預催化劑及其在鈴木交叉耦合反應上的應用 <i>蕭禾鑫* · 張裕昌</i>
IN082	Solvent Effect on the Physical Properties of [Co(ftpy) <sub>2</sub> ] <sub>2</sub> X <sub>2</sub> Complexes <i>Chong-You Chen* · Yan-An Chen · Wei-Ting Chen · Chia-Wei Yang · Bo-Hao Chen · Yu-Chun Chuang · I-Jui Hsu</i>
IN083	以金屬螯合劑改質鈣鈦礦太陽能電池之吸光層的探討 <i>江則霖* · 吳春桂</i>
IN084	Photocatalytic Hydrogen Evolution by Nickel Complexes <i>Shuo-Huan Jiang* · Che-Min Chu · Hua-Fen Hsu</i>
IN085	Syntheses and Studies of ZnO and Fe <sub>3</sub> O <sub>4</sub> Nanoparticle-Supported N-Heterocyclic Carbene (NHCs) as Recyclable Catalysts <i>Wen-Yuan Tsai (蔡文元)* · Jin-An Lyu (呂晉安) · Shuchun Joyce Yu (于淑君)</i>
IN086	Reactivity of Iron(III) and Iron(IV) complexes supported with two Bis(thiolato)phosphine Ligand <i>Jia-Wei Lin* · Nan-Chieh Chen · Hong-Nian Chen · Hua-Fen Hsu</i>

\*依序錄自學生提交之論文資料

## 物理化學

## 壁報論文目錄 PH001~PH047

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PH001	Theoretical Studies of Au <sup>5+/0/-</sup> Using DFT Method <i>Cheng-Yuan Chung · Shyi-Long Lee*</i>
PH002	DCM 染料在 ZIF-90 孔洞中的光譜性質與溶劑效應探討 <i>陳泓穎* · 張智煒</i>
PH003	Surface Adsorption and Reactions of Aryl Isocyanates on Cu(100) <i>Chih-Yu Wu* · Chao-Ming Chiang</i>
PH004	Evaluation of the dialysis time required for carbon dots by HPLC and the properties of carbon dots after HPLC fractionation <i>蔡逸華* · 張智煒</i>
PH005	A New quart $\Sigma$ - a quart $\Pi$ Electronic Transition of ScC in the Near Infra-Red <i>Chiao-Wei Chen* · Anthony J. Merer · Yen-Chu Hsu</i>
PH006	IR Spectroscopy as a Potential Approach to Distinguish Hexoses <i>Cheng-chau Chiu (邱政超)* · Po-Jen Hsu (許伯任) · Huu Trong Phan · Chi-Kung Ni (倪其焜) · Jer-Lai Kuo (郭哲來)</i>
PH007	Reaction reactivity of Thiophenol and Oxygen on a Nanosized Gold Cluster : A Computational Study <i>Kuan-Yu Chen* · Shyi-Long Lee</i>
PH008	Long-Range Hairpin Slippage Reconfiguration Dynamics in Trinucleotide Repeat Sequences <i>Cheng-Wei Ni* · Yu-Jie Wei · Yang-I Shen · I-Ren Lee</i>
PH009	A Computational and Experimental Study of Solar Water Splitting with Bimetallic (Ag-Cu) co-loaded TiO <sub>2</sub> Nanoparticles <i>Yi-Ting Yang · Je Sie Lim* · Ming-Chang Lin</i>
PH010	Surface Adsorption and Reactions of 1,2,4-triazole on Cu(100) <i>Tsu-Wei Chao(趙子維)* · Chao-Ming Chiang(蔣昭明)</i>
PH011	A Wearable biofluid sensing system based on integrated microfluidic and smartphone <i>Wei-Lun Chang* · Pei-Heng Lin · Sian-Chen Sheu · Bor-Ran Li</i>
PH012	Ferroferric oxide nanoparticles confined in mesoporous carbon CMK-9 as efficient nanocomposite anode for lithium ion batteries with improved electrochemical performance <i>Yuan-Hung Lai(賴沅鎰)* · Hsien-Ming Kaob(高憲明)</i>
PH013	以 DNA 模板製備便於保存之固態銀奈米團簇 <i>林揚修 · 周子培* · 張智煒</i>
PH014	Formation of octatetrayne (HC <sub>8</sub> H) from the reaction of butadiynyl (C <sub>4</sub> H) with butadiyne (HC <sub>4</sub> H) <i>Yi-Lun Sun* · Wen-Jian Huang · Shih-Huang Lee</i>
PH015	Theoretical Study on the core ionization potential of small molecules <i>Wei-Ping Hu(胡維平) · Chun-Cheng Chen(陳俊辰)*</i>
PH016	含三價釷有機配位聚合物內能量轉移機制之研究 <i>王郁婷* · 徐采玲 · 張伯琛</i>

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PH017	以光譜學方法研究含鈰配位聚合物之特有淬熄過程 <i>宋芝諳* · 洪士翔 · 陳湘婷 · 張柏琛</i>
PH018	Single-atom Doped Graphene as a Catalyst for Oxygen Reduction Reaction : A Computational Study <i>Jyun-Wei Chen* · Hsin-Tsung Chen</i>
PH019	藉由分子動力模擬和小角度 X 光散射揭示血栓素和前列線素合成酶的水耦合構象動力學 <i>林尚緯* · 楊承翰 · 黃明怡 · 盧志峰 · 王進賢 · 葉奕琪 · 鄭有舜 · 楊小青</i>
PH020	前列腺素 H2 的基質通道對級聯環化路徑的立體化學控制 <i>蘇冠璇* · 葛詠綺 · 楊承翰 · 趙偉志 · 楊小青</i>
PH021	The theoretical study of FNg R Gly (R:CC, BN) noble gas compound <i>Wei-Ping Hu · Wei-Lin Li *</i>
PH022	Computational research of CO oxidation catalyzed by heteroatom-doped fullerenes <i>Kai-Yang Chen* · Hsin-Tsung Chen</i>
PH023	Fragment Determination in Selective Bond Dissociation of N-methylformamide <i>Yao-De Wang (王耀德)* · Chen-Lin Liu (劉振霖)</i>
PH024	Investigation on the Oxidase-Like Activity of Au/SiO <sub>2</sub> Composite <i>I-Hsuan Li (李易璇)* · Zhi-Wen Chen (陳志文) · Tien-Hao Hsieh (謝天皓) · Ching-Ping Liu (劉靜萍)</i>
PH025	Wavelength-Dependent Activation of Gold Nanoclusters as Oxidase Mimics <i>Yu-Shan Chen (陳鈺嫻)* · Fang-I Chen (陳芳翊) · Ching-Ping Liu (劉靜萍)</i>
PH026	Kinetics of the Reaction of CH <sub>3</sub> CHOO with Methanol in the Presence of Water Vapor <i>Yen-Hsiu Lin* · Wen Chao · Cangtao Yin · Wei-Hong Lin · Yu-Lin Li · Kaito Takahashi · Jim Jr-Min Lin</i>
PH027	二氧化矽奈米串珠結構形成機制探討與尺度操控 <i>林映辰* · 郭宥泓 · 王崇人</i>
PH028	Thermal Decomposition Rate of Syn-CH <sub>3</sub> CHOO Measured with UV Absorption Spectroscopy <i>Yu-Lin Li* · Mei-Tsan Kuo · Jim Jr-Min Lin</i>
PH029	金 - 硒 - 二氧化矽中空奈米結構之合成 <i>Hsiang-Sheng Hu(胡翔盛)* · Churng-Ren Chris Wang(王崇人)</i>
PH030	Design of Gold and Tin Oxide Nanocomposites as Photocatalysts <i>Jing-Wei Wang* · Ying-Yi Kuo · Tzzy-Schiuan Yang</i>
PH031	使用紅外光譜儀觀測並探討在高壓環境中，不同濃度離子液體與 PVDF-co-HFP 高分子表面之間的作用力 <i>吳明修* · 楊曼琳 · 陳昱安 · 曾玟菁 · 張海舟</i>
PH032	Synthesis of Silver Nanoparticles with the Good Quality Factor for the Study of BSA Adsorption Kinetics <i>Hong-Jun Chen* · Ruei-Hsien Tasi · Cheng-Liang Huang</i>
PH033	不同烷基鏈長度含硫醇基分子對奈米銀之吸附動力學 <i>黎偉杰* · 陳冠達 · 黃正良</i>

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PH034	從隨時間表面增強拉曼以及螢光光譜探討 CV 吸附於 奈米銀的動力學 <i>蔡嘉峻* · 黃正良</i>
PH035	Synthesis of TiO <sub>2</sub> @Au NPs and CeO <sub>2</sub> @Au NPs and Comparison of Their Catalytic Efficiency <i>Chih-Ying Yang* · Wen-Ren Wang · Tzzy-Schiuan Yang</i>
PH036	Photodissociation dynamics of acrylic acid at 266 nm: The OH forming channel <i>Ting-Wei Lin* · Po-Yu Tsai</i>
PH037	NMR Characterization of the Aerosol Products of the Reactions Involving Ozone and Other Pollutants <i>Chun-Jung Lu* · Shangwu Ding · Chia-Chen Wang</i>
PH038	Theoretical Study on the R <sub>1</sub> (NgO <sub>3</sub> )R <sub>2</sub> Noble Gas Molecules (Ng : Ar · Kr and Xe) <i>Yu-Chien Chen* · Wei-Ping Hu</i>
PH039	Stable Triplet Ground State Noble Gas Molecule FNgBCO (Ng : Kr and Xe) <i>曾明昱* · 蔡承成 · 胡維平</i>
PH040	Experimental and Modeling Analysis of Holey Graphene Electrodes for High-Power-Density Li-Ion Batteries <i>Yu-Ren Huang*, Nen-Wen Pu, Yih-Ming Liu, Ming-Der Ger</i>
PH041	Computational study on the photodissociation of methyl formate: the radical forming pathways on the multiple potential energy surfaces <i>Chen-Wei Lo* · Po-Yu Tsai</i>
PH042	Precise Characterization of Nafion Hydration via NMR Spectroscopy, Diffusion and Micro-imaging <i>Po Hsienn Li* · Ren Hao Cheng · Shangwu Ding</i>
PH043	Synthesis and Characterization of Strontium-Hydroxyapatite Nanocrystals <i>Hung-Hsiang Wei* · Yu-Ren Huang · Shangwu Ding</i>
PH044	Theoretical Study on New Types of Stable Noble Gas Containing Anions <i>Yu-Wei Lu* · Hsi-Ning Hsiao* · Cheng-Cheng Tsai · Wei-Ping Hu</i>
PH045	Structure and Morphology Determination of Hydroxylapatite Nanocrystals Synthesized in Simulated Body Fluid <i>Sheng-Chi Yeh*, · Song-Seng Loke, · Shangwu Ding</i>
PH046	CO <sub>2</sub> Anions Absorption on Anatase Surface <i>Chen-Hsu Chien*</i>
PH047	Multiple Binding Configurations of Fis Protein Pairs on DNA: Facilitated Dissociation versus Cooperative Dissociation <i>Min-Yeh Tsai* · Weihua Zheng · Mingchen Chen · Peter G. Wolynes</i>

\*依序錄自學生提交之論文資料

# 生物化學

## 壁報論文目錄 BC001~BC028

編號	題目及作者
BC001	合成五胜肽衍生物之雙性分子以製備功能性微脂粒 <i>張佳琳*</i> · 呂文廷 · 詹雅琦 · 林映秀 · 鄭建中
BC002	Mutually orthogonal incorporation of two distinct D-noncanonical amino acids <i>Jia-Cheng Sun*</i> (孫嘉呈) · Yi-Hui Wang (王伊慧) · Man-Nee Lee (李曼妮) · Jo-Chu Tsou (鄒若主) · Yane-Shih Wang (王彥士)
BC003	The Role of Lupeol in Sensitizing DLD-1 Colorectal Cancer Cells to 5-Fluorouracil <i>Yu-Chia Chang*</i> · Tung-Yaw Tsai · Ja-an Annie Ho
BC004	Developing Chemoselective Probes to Label Secondary Metabolites <i>Ruo-Yu Wu*</i> · Wei-Ting Chang · Tsung-Shing Andrew Wang
BC005	Moscaticolin, a bibenzyl derivative from <i>Dendrobium</i> species, exerts neuroprotective effects in high glucose-induced damage in rat pheochromocytoma cells <i>Chun-Nan Chen*</i> · Po-chuen Shieh
BC006	單離不同生長時期蝴蝶蘭組織之脂質 以尋找影響蝴蝶蘭抽梗之指標性物質 <i>李佳蓉*</i> · 周映竹 · 鍾佳凌 · 倪琳凱 · 鄒德里 · 鄭建中
BC007	Rapid isolation of clinical tumor cell through the Advanced Spiral Microfluidic Device <i>Tzu-Ting Lin*</i> · Pei-Huan Chiang · Hui-Chen Yang · Ping-Hsien Tsou · Bor-Ran Li
BC008	Development of double photocapping peptide releasing strategy <i>Hsuan-Min Hung</i> (洪煊晏)* · Tsung-Shing Andrew Wang (王宗興) · Cheng-Hsiang Hung (洪鈺翔)
BC009	Engineering of non-canonical amino acid encoded spider silk proteins <i>李曼妮</i> (Man-Nee Lee) · <i>王彥士</i> (Yane-Shih Wang)*
BC010	Characterization of $\beta$ -amyloid oligomers in phospholipid reverse micelles <i>Ming-Che Lee*</i> · Tzu-Yun Lin · Han-Wen Chang · Jerry Chun Chung Chan
BC011	p-Azido-L-phenylalanine encoded ferritin cage for drug delivery <i>Mu-Lung Jian*</i> · Yi-Hui Wang · Hsin-Ying Tsai · Yane-Shih Wang
BC012	Probing K48- and K63-linked ubiquitin chains using environmentally sensitive fluorescent non-canonical amino acids <i>Pei-Jung Chen*</i> (陳霽容) · Han-Kai Jiang (江翰錯) · Yi-Hui Wang (王伊慧) · Yane-Shih Wang (王彥士)
BC013	Visualization and Characterization of MCF-7 Membrane Receptor of Bleomycin by Cell Imaging and Site Selective Photo-affinity Labeling Technique <i>Yu-Ju Shen</i> (沈育儒)* · Pei-Jhen Li (李珮甄) · Sachin Kawade · Chun-Cheng Lin (林俊成)
BC014	Co-incubation of A $\beta$ (1-40) and A $\beta$ (1-42) in reverse micelles <i>Yi-Shan Wu*</i> · Yen-Ling Lin · Jerry Chun-Chung Chan
BC015	Chemoenzymatic Synthesis of Glycan of GAA-7 Ganglioside and its Analogues <i>Hsin-Kai Tseng*</i> · Hsin-Chien Liu · Ting-Wei Chang · Chun-Cheng Lin

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BC016	Linker engineering for substrate range shifting of pyrrolysyl-tRNA synthetase•tRNA <sup>Pyl</sup> pairs <b>Jo-Chu Tsou*</b> (鄒若主) · Han-Kai Jiang (江翰鏞) · Man-Nee Lee (李曼妮) · Kuan-Wen Chang (張冠文) · Yane-Shih Wang (王彥士)
BC017	Detecting neutrophil gelatinase associated lipocalin using silicon nanowire field effect transistors <b>Pei-Chi Lan</b> (藍珮綺)* · Li-Chu Tsai(蔡麗珠) · Chii-Dong Chen(陳啟東)
BC018	Evolved pyrrolysyl-tRNA synthetase•tRNA pair with D-noncanonical amino acids chiral specificity <b>Yi-Hui Wang*</b> · Han-Kai Jiang · Yane-Shih Wang
BC019	將天然酚類衍生物與疏水性藥物結合發展為功能性微脂粒 <b>葉金鳳*</b> · 楊羚鈺 · 葉志麟 · 倪琳凱 · 鄭建中
BC020	A Triggerable Protecting Group for Modulating Reactivity of Alpha-haloketone Containing Covalent Inhibitors <b>陳柏勳*</b> · 楊承庭
BC021	A SAHA Prodrug Selectively Activated by Nitroreductase and Cathepsin B <b>Xin-Han Lin*</b> · Shiou-Ting Lin · Tsung-Shing Andrew Wang
BC022	Fluorescent Turn-On Labeling of Intracellular Proteins in Living Cells <b>Chak Hin Lam*</b> · Boon Khoon Tee · Kui-Thong Tan
BC023	Understanding the non-recognition mechanisms caused by disease-related mutations in ADAR1 toward its RNA substrate: a molecular dynamics simulation study Chia-Hung Hsu · <b>Ya-Jyun Chen*</b> · Chia-Ning Yang
BC024	NA
BC025	Selective and Rapid Labeling of Folate Receptor in Living Cells <b>Yu-Chun Lin*</b> · Syuan-Yun Fan · Kui-Thong Tan
BC026	A molecular modeling study on HIF-1 $\alpha$ -ARNT dimer destabilization caused by phosphorylation on HIF-1 $\alpha$ 's S247 Chia-Hung Hsu · <b>Ya-Jyun Chen*</b> · Pei-Yi Lee · Chia-Ning Yang
BC027	Development Of Fluorescent Turn-On Labeling Probe For Beta-Amyloid <b>Jung-I Hsu*</b> · Kui-Thong Tan
BC028	Reactivity of Non-oxido Vanadium Thiolate Complexes <b>Ding-Jyun Lin*</b> · Jyun-An Yan

\*依序錄自學生提交之論文資料



## 材料與應用化學

### 壁報論文目錄 MA001~MA118

編號	題目及作者
MA001	製備改質石墨烯參雜於 XNBR 之材料特性 <i>涂靜雯* · 吳仁彰</i>
MA002	Studies on Nanocomposite of Tungsten/Graphene Oxides <i>Jen Twu* · Guan-Lin Lyu · Ching-Yang Liu</i>
MA003	磷摻雜之硫化鈷修飾於矽金字塔光陰極材料應用於光催化水分解產氫反應 <i>陳佳賢* · 陳致融 · 魏大華 · 劉如熹</i>
MA004	有機催化劑之分子結構對二氧化碳光還原效率之影響 <i>張效瑄* · 王士豪 · 芮祥鵬 · 王立義</i>
MA005	以熱退火處理提升溶液加工型小分子藍光有機發光二極體元件性能之研究 <i>邱閔聰* · 周宥呈 · 黃資勝 · 黃文堯</i>
MA006	An efficient catalyst-MOF@silica core-shell particle for CO <sub>2</sub> cycloadditions <i>Yi-Hsuan Chen* · Chen-Yen Tsai · Szetsen Lee · Wan-Ling Liu</i>
MA007	利用過氧化鈣/靛藍綠/海藻膠/氧化鐵奈米複合材料增益光動力治療效率 <i>Yi-Chun Ma(馬伊君)* · Fong-Yu Cheng(鄭豐裕)</i>
MA008	Functional Mesoporous Silica Nanoparticles for Ultrasound Biomedical Applications <i>Chia-Hsun Lin (林家巡)* · Chih-Yu Lin (林芝宇) · Chia-Min Yang (楊家銘)</i>
MA009	Photoactive Earth-abundant Iron Pyrite Catalysts for Electrocatalytic Nitrogen Reduction Reaction <i>Chia-Che Chang* · Di-Yan Wang · Shin-Ren Li · Shivaraj Patil</i>
MA010	Millimeter-Sized 2D Crystals by capping vapor-liquid-solid reaction <i>Fang-Yuan Lin* · Mao-Feng Tseng · Li-Chyong Chen · Kuei-Hsien Chen · Cheng-Ying Chen · Po-Hsun Ho · Ming-Chiang Chang</i>
MA011	Comparative study of sacrificial agents in water splitting by heterogeneous photocatalysis using metal loaded TiO <sub>2</sub> catalysts <i>1.Che-Yu Lee* · 2.Sheng-Siung Liou · 3.M.C Lin</i>
MA012	製備中孔洞 TiO <sub>2</sub> -WO <sub>3</sub> 應用於氫氣感測器之研究 <i>ZONG-XIAN JIANG* · Ren-Jang Wu</i>
MA013	Development of Nucleotide-based Hydrogel System for Cell Encapsulation <i>Shu-Pei Mao* · Hsin-Yun Hsu</i>
MA014	Nanomedicines in cancer Therapy <i>Yu-ling Liu* · Shang-hsiu Hu · Hao-xiang Shu</i>
MA015	Au@Pt Core-Shell Nanostructures: Synthesis and Application in Canine Heartworm Antigen Test <i>Chung-Jung Hung* · Hsin-Chang Huang · Chun-Lun Chiu</i>
MA016	Octahedral CuPt Nanocages Synthesized from Cu Nanocube Templates for Highly Efficient Hydrogen Production <i>Lian-Ming Lyu* · Chun-Hong Kuo · Ming-Yen Lu</i>
MA017	Droplet manipulations on Gradient Wettability Surface Platform <i>林宛萱* · 李博仁</i>

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MA018	Preparation And Characterization Of Graphene Oxide Modified Zn-Al LDHs/PVAc Nanocomposites. <b>Tsung-Yen Tsai (蔡宗燕), Chneg-Yen Yang* (楊承諺),</b>
MA019	Synthesis and Properties of Cycloaliphatic Cardo-type Polyurethanes <b>Kuo-Hua Sun* · Chien-Hsin Wu · Ru-Jong Jeng</b>
MA020	製備核殼型磁性奈米粒子及應用於醇類氧化測定 <b>Teng-Jui Liang* · Tsun-Ren Chen</b>
MA021	比較三種 ZnO 不同結構在溼度感測器之研究 <b>王榆婷* · 吳仁彰 · 林旺德</b>
MA022	Synthesis and Application of Polyaniline <b>I-Chun Lin*, and Tsun-Ren Chen</b>
MA023	二氧化鈦-二氧化矽奈米複合材料應用在濕度感測之研究 <b>黃羽慈* · 吳仁彰 · 林旺德</b>
MA024	製備銀-氧化鋅/鈎酸鋇複合材料應用於光還原二氧化碳反應成一氧化 碳及甲烷 <b>黃玉騰* · 吳仁彰</b>
MA025	高性能雙官能基酚為核之寡聚苯醌樹酯之合成與鑑定 <b>王昱翔* · 游峻翔 · 王逸萍 · 林建琛 · 徐偉智 · 梁孟</b>
MA026	Theoretical Calculation of Aluminum-Ion Battery In N doped graphene <b>Shyi-Long Lee* · Hsuan-Yu Hung</b>
MA027	High Performance CZTSSe Solar Cell by Using Cadmium Free Non-toxic Zn(O,S) Buffer Layer <b>Wei-Hao Chen* · Yun-Fu Chen · Fang-Yu Fu · Cheng-Ying Chen · Kuei-Hsien Chen · Li-Chyong Chen</b>
MA028	Soy Protein-Based Sponge for in Situ Mesenchymal Stem Cell Encapsulation and Spheroid Formation <b>Hui-Ting Chen*</b>
MA029	XAS Structural Study on Novel Copper-Containing Hierarchical Zeolites <b>Ko-Kai Chang · Ting-Tse Tseng · Albert Chang · Chia-Min Yang*</b>
MA030	Precursor Dependent Synthesis of a Novel Quaternary Selenide $Ge_7In_6Sb_{18}Se_{41}$ <b>Chun-Chih Wang* (王俊智) · Guan-Ruei Chen (陳冠睿) · Chien-He Lee (李健和) · Chi-Shen Lee (李積琛)</b>
MA031	Mannose modified gold nanoparticles for Photothermal therapy of MDA-MB-231 cells <b>Keng-Fang Hsu* (許耕芳*) · Han-Chen Lin (林含貞) · Chian-Hui Lai (賴千蕙) · Hui-Fen Chen (陳慧芬)</b>
MA032	聚醯亞胺與碳纖維複合材料之研究 <b>程耀毅 · 韓昱* · 周上智</b>
MA033	$Ag_3PO_4/CuFeS_2$ 複合材料之可見光芬頓反應降解羅丹明 B 應用 <b>張順安* · 林泱蔚</b>
MA034	開發低油耗與高濕抓之新一代綠色輪胎 <b>俞劭穎* · 程耀毅 · 張詠勝 · 高得聿 · 戴子安 · 謝之真</b>
MA035	PVA/TMPS/TiO <sub>2</sub> 奈米複合材料之合成及其物性研究 <b>陳榮輝* · 陳文揚 · 戴子軒</b>

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MA036	利用自催化反應調控金奈米粒子尺寸 <i>莊翔宇*</i> · <i>鄭豐裕</i>
MA037	Functional Photo-Induced Enhanced Raman Nano-Probes for Live-Cells Imaging of Peroxidase-Mediated Reactive Oxygen Species <i>Zi-Yu Ke (柯姿羽)*</i> · <i>Kien-Voon Kong (江建文)</i>
MA038	製備金/石墨碳氮化物 (Au/g-C <sub>3</sub> N <sub>4</sub> ) 電極應用於腎上腺素感測之研究 <i>林郁璇*</i> · <i>吳仁彰</i>
MA039	以摻錫二氧化錫及聚亞醯胺製備可撓性加熱薄膜 <i>程耀毅</i> · <i>莊博閔*</i>
MA040	Application of an ionic liquid mixture electrolyte on aluminum secondary battery <i>Che-Wei Chang*</i> · <i>Yu-Chen Kuo</i> · <i>Ping-I Pan</i> · <i>Hsiao-Wen Huang</i> · <i>Sheng-Cheng Chiu</i> · <i>Chang-Chung Yang</i>
MA041	Synthesis and Characterization of Carbon Coated LiFePO <sub>4</sub> Incorporated with Reduced Grapheme Oxide <i>Yu-Sheng Wang (王昱盛)*</i> · <i>Yang Chen (陳陽)</i> · <i>Fang-Rong Fan (范芳榕)</i> · <i>Chung-Sung Yang (楊鐘松)</i>
MA042	製備改質聚醯亞胺/氧化還原石墨烯複合材之研究 <i>程耀毅</i> · <i>陳昱瀾*</i>
MA043	Dual-functionalized poly(dimethyl)siloxane surface via surface-initiated polymerization for antibacterial activity <i>Zi-Ti Chen*</i> · <i>Che-Chen Chang</i>
MA044	The Development of New Anthracene Dye for Dye-sensitized Cell <i>Ming-Chi Tsai*</i> · <i>Ching-Yao Lin</i>
MA045	製備銀/釩酸鉍應用於可見光降解甲醛氣體 <i>林郁辰*</i> · <i>吳仁彰</i> · <i>黃正良</i>
MA046	製備銅/釩酸鉍材料應用於高效光催化二氧化碳還原 <i>楊承鑫*</i> · <i>吳仁彰</i>
MA047	不同鏈段水性聚氨酯之結構與物性研究 <i>巫雅雯*</i> · <i>張昌榮</i> · <i>芮祥鵬</i>
MA048	Anticorrosion and Anti-UV Property Studies of Hydrogenated Epoxy/Graphene Nanocomposites <i>Fa-Shan Wang</i> · <i>Yu-Chen Feng*</i> · <i>Yuan-Hisang Yu</i>
MA049	聚酯二元醇(polyester polyol)之製備&IR 光譜分析 OH-value <i>陸正浩*</i> · <i>王昱翔</i> · <i>梁孟</i>
MA050	High efficient red light-emitting electrochemical cells (LECs) with EQE up to 9.4% <i>Rong-Huei Yi (易容卉)*</i> · <i>Chin-Wei Lu (陸勤偉)</i>
MA051	Highly stable inverted perovskite solar cells through controlling the crystallization rate of perovskites <i>Shu-Ling Lin*</i> · <i>Hsin-Huang Huang</i> · <i>Syang-Peng Rwei</i> · <i>Leeyih Wang</i>
MA052	提高靈菌紅素產量之培養條件最適化 <i>李鼎翰*</i> · <i>王麗芬</i>

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MA053	Development and application of spinel-type material for the selective recovery of lithium ion <b>Yi-Ting Wang,*</b> · Li-Ching Chung · Guan-You Lin · Chun-Chi Lee · Shing-Der Chen · Kuan-Foo Chang · Hsin Shao · Tzu-Yu Cheng · Wei-Fan Lai
MA054	Design, Synthesis and Characterization of Asymmetric Dibenzo[a,c][1,2,5]thiadiazolophenazine Mesogens <b>Yi-Ru Chen*</b> · Chi Wi Ong
MA055	Bioinspired bisphenol A medium-chain pyridinium salts as highly selective mercury metal sensors <b>Che-Kai Wu,*</b> · Pei-Yu Chiang, · Hsiang-Yu Kung, · Min-Hao Chen, · <b>Kwang-Ming Lee*</b>
MA056	Preparation And Characterization MgAl, ZnAl Layered Double Hydroxides/PMMA Nanocomposites by Solution Polymerization Tsung-Yen Tsai · <b>Kun-Yi Chen *</b> · Ying-Qi Chen
MA057	The total flavonoids and phenolic acids from Indonesian herb extracts: a correlative study of their contents to antioxidant activity by Taguchi method <b>Yeni Maulidah Muflihah*</b> · Yong-Chien Ling
MA058	Enhanced Luminescence and Stability of Cesium Lead Halide Perovskite CsPbX <sub>3</sub> Nanocrystals by Cu <sup>2+</sup> -Assisted Anion Exchange Reactions <b>Yi-Chia Chen*</b> · Di-Yan Wang
MA059	Self-Propelled Gallic Acid-Formaldehyde Resin Microspheres <b>Yi-Ying Lin*</b> · Hsin-Yun Hsu
MA060	聚乙醇醇複合膜於二氧化碳分離之研究 <b>蔡明軒*</b> · 張淑美
MA061	製備改質石墨烯參雜於彈性體內之材料特性 <b>劉家豪*</b> · 吳仁彰 · 林哲寬
MA062	Hydrophobic PDMS/GO Composites as Encapsulation Layer for Improving Stability of Perovskite Solar Cells <b>Xin-Huei Wang*</b> · Yuan-Hsiang Yu · Zhong-En Shi
MA063	Ligand Assisted Assembly of Room temperature Synthesis CsPbBr <sub>3</sub> Perovskite Quantum Dots for Light Emitting Diodes <b>Dave Kashyap*</b> · Zhen Bao · Ru-Shi Liu
MA064	Preparation and Property Studies of Modified Graphene Oxide/Nanogold Composite Materials for Counter Electrodes of Dye-Sensitized Solar Cells <b>Shu-Hao Liu*</b> · Yuan-Hsiang Yu · Chen Po-Hao · Chin-Hung Tsai
MA065	Preparation of Reduced Graphene Oxide/ Metal Complex Composites and their Application for the Counter Electrode of Dye-sensitized Solar Cells <b>Sheng-Yi Kao*</b> · Yuan-Hsiang Yu · Chin-Hung Tsai · Hung-An Yang
MA066	製備氧化鐵/氧化鎢薄膜複合材料及其光催化應用 <b>潘怡亭*</b> · 吳椿昱 · 嚴嘉蕙 · 莊琇惠
MA067	Reduce Runtime of Molecular Structure Optimization Computation via Machine <b>Chen-Ming Wu*,and En-Che Yang</b>
MA068	Environmental Pollution Degradation by Silver/Copper Alloy Support on Carbonization of Zeolitic imidazolate framework-8 <b>Tsun-Hao Cheng (鄭尊豪)*</b> · Hsien-Ming Kao (高憲明)

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MA069	Modulation of Side Chain End Groups of Thienothiophene-Based Copolymers for Efficient Polymer Solar Cells <b>Jr-Wei Jou (周志威)*</b> · Ying-Chieh Chao (趙英捷) · Yi-Jie Chiou (邱宜潔) · Po-lin Kao (高伯麟) · Ru-Jong Jeng (鄭如忠) · Li-Hsin Chan (詹立行)
MA070	Performance Enhancement of P-I-N Inverted Perovskite Solar Cells by Using Ammonium salts as Additives <b>Wei-Han Hsiao (蕭樟翰)*</b> · Jr-Wei Jou (周志威) · Tzu-Huan Chen (陳子桓) · Li-Hsin Chan (詹立行)
MA071	Direct Anti-MLB Measurement on a Hand-powered Centrifugal Microfluidic Platform for POCT Diagnosis Chia-Tung Lin · Shao-Hsuan Kuo · <b>Chih-Ling Wang*</b> · Bor-Ran Li
MA072	Palladium-Incorporated Mesoporous Carbons for Upgrading of Palm Oil-Derived Biodiesel Fuel Jyun-Hong Pan · Albert Chang · Lalita Attanatho · Shih-Yuan Chen · Takehisa Mochizuki · Hideyuki Takagi · <b>His-An Chen*</b> · Chia-Min Yang
MA073	石墨烯包覆之金屬粒子及金屬有機錯合物提升導電膠之熱導特性 Chiao-Xian Lin(林巧絃) · Li-Ting Tseng(曾立婷) · <b>Chun-Hu Chen(陳軍互)*</b>
MA074	Application of NiCoAl-Layered Double Hydroxide to Remove Methyl Orange <b>Pi-Ying Ou*</b> · Chih-Wei Tang · Chih-Chia Wang · Chen-Bin Wang
MA075	Synthesis of FeSe nanosheets as an effective photothermal-chemodynamic therapeutic agent potentially applied to triple-negative breast cancer therapy <b>Kai-Min Chan*</b> · Yu-Fen Huang* · Yu-Feng Lin
MA076	聚碳酸酯二醇製備熱可塑性聚氨酯之機械性能物性研究 <b>王聖文*</b> · 芮翔鵬
MA077	TEGylated N-heterocyclic Carbene Gold(I) Complex 和 Palladium(II)-Complex: 合成, 生物活性研究及奈米材料之應用 <b>張劭銘*</b> · 卜哲培 · 李建宏
MA078	Mesoporous 2D Semiconductors for Photocatalytic Applications <b>李尉賑*</b> · 謝宗恩 · 劉沂欣
MA079	Transfer-Free Synthesis of Graphene on SiO <sub>2</sub> Substrates with Deposited Cu Film Cheng-Yu Dai · <b>Fang-Chi Ding*</b> · Chiao-Chen Chen
MA080	Synthesis of Silica-Coated Copper Nanoparticles with Microemulsion Method Yen-Ju Su · <b>Ya-Wei Shih*</b> · Chiao-Chen Chen
MA081	新穎性全共軛共聚高分子系統之開發及其性質之研究 <b>鄭雅智*</b> · 呂雅晴 · 王渝雯 · 董正皓 · 李宜桓
MA082	High voltage, cheap and eco-friendly wearable energy storage devices <b>Feng Chen1(陳峰)</b> , <b>Tzung-Han Chou1(周宗翰)</b> , <b>Ming-Jay Deng2*(鄧名傑)</b>
MA083	3D printing of hydrogels for biomedical devices and tissue engineering <b>Wei-Shan Hsu*</b> · Tzu-En Lin
MA084	銅氧化物複合還原氧化石墨烯的電容應用 <b>王一修*</b> · 陳巧貞

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MA085	尺寸效應於二維材料增強光電化學析氫反應 <b>Jheng-Yi Huang (黃鈺貽)*</b> · I-Wen Peter Chen (陳以文)
MA086	氮摻雜石墨烯量子點鍵結鐵錯合物作為高效析氧反應電催化劑 <b>張家瑜*</b> · 陳以文 · 李建明 · 陳思婷
MA087	聚對苯二甲酸丁二酯/聚四甲基醚二醇共聚之熱塑性聚醚酯彈性體材料性質分析及非等溫結晶動力學研究 <b>屈品豐*</b> · 毛栩毅 · 芮祥鵬
MA088	自我修復聚氨酯之研究 <b>毛栩傑*</b> · 芮祥鵬
MA089	Few Layer Tin Disulfide for Multi-Functional Electromechanical Applications <b>Sui-An Chou*</b> · Po-Kang Yang · Yit-Tsong Chen
MA090	Composition Modification of Tantalum-Base Pyrochlore Nanoparticles for Photocatalytic Water Splitting I-Tai Tsai · <b>Chun-Cheng Tu *</b> · Chia-Min Yang
MA091	皂素在水中剝離二維材料之研究: (I)析氫反應 (II)氣凝膠吸附/光降解有機染劑 <b>Yu-Hong Peng (彭宇宏)*</b> · I-Wen Peter Chen (陳以文)
MA092	二硫化鉬 / 聚吡咯奈米球 / 單壁奈米碳管 複合薄膜應用於鈕扣電池型超級電容器之研究與製備 <b>王伯元*</b> · 陳以文
MA093	金屬鎂/二氧化碳電池之開發研究 <b>沈育德*</b> · 梁力洵* · 周鈺禎 · 曾新華 · 凌永健
MA094	具電活性鏈段之紫外光固化型乙烯基聚氨基丙烯酸酯之鑑定及其在金屬抗腐蝕應用研究 <b>嵇郁婷*</b> · 葉瑞銘
MA095	具有良好氣體分離能力的可摻雜之電活性聚亞醯胺膜之製備與性質探討 <b>藍云襄*</b> · 卓育賢 · 葉瑞銘
MA096	Synthesis and Characterization of a New Homologous Series Gen-2Sb4Sen+2 Containing Unique Sb+ Chain <b>Guan-Ruei Chen (陳冠睿)*</b> · Chien-He Lee (李健和) · Jing-Yi You (游靜宜) · Chi-Shen Lee (李積琛)
MA097	Manipulation of $\pi$ -Interconnection and Crystal Domain in Conjugated Polymers for Organic Field-Effect Transistors <b>Hau-Ren Yang*</b> · Chun-Wei Pai · Yu-Ying Lai
MA098	不同孔隙之疏水性二氧化矽之製備、鑑定及其所衍生之聚亞醯胺複合材在高頻低介電材料之比較研究 <b>羅翌文*</b> · 游峻凱 · 葉瑞銘
MA099	Synthesis of porous iron phyllosilicates for removal of radioactive cesium <b>Ning-Kuei Sun*</b> · Yo-Shiuan Fan · Yun-Chieh Wang · Cheng Wu · Cheng-Yu Chun · Hong-Ping Lin
MA100	Synthesis of Mesoporous Silica with Different Morphologies for Application in Smart Window <b>Pei-Jhen Li*</b> · Jia-Yu Huang · Yi-Ju Liu · Yi-Wen Lin · Chao-Hui Liu · Hong-Ping Lin

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MA101	Synthesize Multiporous Carbons Using Water-Chestnut-Shell Biochar for Applications in Supercapacitors, Capacitive Deionization and Oxygen Reduction Reaction <b>Zheng-Bang Pan*</b> · Chuan-Ren Chan · Chang-An Chen · Hong-Ping Lin
MA102	Improvement on the Synthetic Method of the Porous Copper-Silicate and Morphological Study <b>Cheng-Yun Wu*</b> · You-Sheng Cheng · Hong-Ping Lin
MA103	Imidazole-substituted carbazoles as bipolar host materials for efficient organic light-emitting devices 方御權 · 易容卉 · 林建翔 · 沈湘翎
MA104	可添加於水性聚氨酯的大黃螢光粉 楊焯玲 · 許貴廷 · 張淑美 · 張舒涵
MA105	Synthesis of Mesoporous Metal Aluminate Catalysts for Hydrogen Production <b>Hsin-Kai Huang*</b> · Chao-En Liu · Da-Siou Chen · Hong-Ping Lin
MA106	Green and Rapid Synthesis of Zirconium Metal-organic Frameworks, UiO- 67, via Mechanochemistry <b>Hsun-Chih Yang*</b> · Fa-Kuen Shieh
MA107	A New Approach to Encapsulate Gold Nanoparticles into Zeolitic Imidazolate Framework 90 (ZIF-90) by Mechanochemical Method <b>Phuc Khanh Lam,* Trung Hieu Vo, Guo-Yi Lu, Thi Buu Hue Bui,</b> · and Fa-Kuen Shieh
MA108	Synthesis and Physical Properties of Diindole quinoxaline derivatives Ting-An Lin · Yu-Chieh Chin · Ying-Ti Huang · <b>Ming-Yu Kuo*</b>
MA109	High-Performance Wearable Symmetric Supercapacitors <b>Pei-Tzu Li(李佩慈)*</b> · Ming-Jay Deng(鄧名傑)
MA110	Influence of Spatial Confinement on Enzyme/Metal-Organic Frameworks Biocomposites <b>Ting-Qian Sun*</b> · Fa-Kuen Shieh
MA111	Cybernetic Escherichia Coli by Encapsulating into a Single Metal-organic Framework Microcrystals via de novo Approach <b>Li-Jun Shen*</b> (沈豐鈞) · Fa-Kuen Shieh (謝發坤) · Chien-Chun Chang (張見君) · Wan-Chi Chien (簡琬綺)
MA112	Fabrication of AuCu nanoshells for bio-sensing platform of bladder cancer cell with surface-enhanced Raman scattering signals <b>Ya-Ting Chuang(莊雅婷)*</b> · Mei-Yi Liao(廖美儀)
MA113	Rapid Mechanochemical Encapsulation of Biocatalysts into Robust Metal-Organic Frameworks <b>Xin-Hua Chen*</b> · Fa-Kuen Shieh · Tz-Han Wei · Shi-Hong Wu · Yi-Da Huang
MA114	合成高效率藍綠光離子型銻金屬錯合物 應用於發光電化學元件 易容卉 · 林慶宣 · 陸勤偉
MA115	Ternary Au-Ag-Pd nanoprism for improving the catalytic activity and electrocatalytic properties <b>Jing-Chi Wang(王靖綺)*</b> · Yi-Ting Hsieh(謝伊婷) · Mey-Yi. Liao(廖美儀)
MA116	One-step synthesis of dopamine carbon dot for combined tumor and anti-angiogenic therapy <b>Jia-Jun Wu*</b> · Yu-Jia Li · Yu-Fen Huang

編號	題目及作者
MA117	Control Au-Ag Composite In The Nanoprisms And Their Improving Surface-Enhanced Raman Scattering <b>Yu-Wen Tung*</b> · Mei-Yi Liao
MA118	Electroless Deposition of Nickle on Polymer Microspheres 林政凱* · 王逸萍 · 顏巨倫

\*依序錄自學生提交之論文資料



## 化學安全 / 化學教育

### 壁報論文目錄 SE001~SE002

編號	題目及作者
SE001	發展一個 STEAM 科學遊戲平台 <i>劉瑞琳*</i> 、 <i>廖尉岑</i> 、 <i>蘇益民</i> 、 <i>姚佳欣</i> 、 <i>周克叡</i> 、 <i>關聖樺</i> 、 <i>李濬安</i>
SE002	從生活學化學—實作型微課程模組之推廣 <i>蕭惟夫*</i> 、 <i>錢偉鈞</i> 、 <i>蔡長恩</i> 、 <i>陳瑋緻</i>

\*依序錄自學生提交之論文資料

## 其他化學相關

## 壁報論文目錄 MD001~MD011

編號	題目及作者
MD001	變溫熱處理技術應用於固體樣品分析 <i>徐敬閔*、葉世國、許峻嘉、林政遠</i>
MD002	穩定碳同位素在污染鑑識上之研究 <i>葉世國*、徐敬閔、許峻嘉、林政遠、吳素慧</i>
MD003	二維氣相層析結合固相萃取法應用輕油污染物分析研究 <i>許峻嘉*、徐敬閔、葉世國、林政遠</i>
MD004	Selection of DNA aptamer against small molecule targets with size-dependent microfluidic CGE-SELEX chip <i>Shao-Hsuan Kuo*、Bor-Ran Li</i>
MD005	利用不同種茶葉萃取物合成金奈米粒子並探討其穩定性及清除自由基活性 <i>陳卉珊*、連經憶</i>
MD006	生產井原油混合比例之估算 <i>蕭良堅*、徐敬閔、陳定猷、林殷田、莊福森、吳素慧</i>
MD007	可用於動態頻率選擇面之電阻式記憶體開關元件製備與特性研究 <i>阮建龍*、劉志益、黃士哲、施政宏、謝侯安</i>
MD008	Structure-based modifications of the pyrrolidine ACK170 for the potential treatment of Fabry disease <i>林紘毅*</i>
MD009	高功率 LED 固晶銀膠材料之研究 <i>陳怡蓉*、張淑美、康榮侑</i>
MD010	Galvanic displacement of copper by bismuth in an ambient deep eutectic solvent in the with and without of additives <i>Yi-Hsueh Chen(陳怡學)、Shiuan-Po Wang(王暄博)、Yi-Yen Hsieh(謝宜晏)、I-Wen Sun(孫亦文)</i>
MD011	瓜果實蠅誘引劑型之開發及監控成效分析 <i>謝耀萱*、王怡婷、錢偉鈞</i>

\*依序錄自學生提交之論文資料