

電化學技術			
優勝			
報告編號	作者	單位	論文題目
EC012	I-Hsuan Chang (張翊宣), Shuo-Wen Chang (張碩文), Hung-Chun Keng (耿鴻鈞), Wei-Ping Dow (竇維平)*	中興大學	Electroplating Technology Using Reduced Graphene Oxide as Conductive Layer for PCB Fabrication
EC027	Sheng-Feng Huang(黃聖丰) and Lin-Chi Chen(陳林祈)*	臺灣大學	A smart sensing system of solid-state ion-selective electrode
EC041	Chan-En Fang(方湛恩), Ken-Yu Chen(陳昆佑), Chi-Cheng Chiu(邱繼正)*	成功大學	Molecular Effects of Functional Polymers at the Cathode Surface of Lithium Ion Battery
EC058	Man-Ning Lu*, Yean-San Long, En-Yun Wang, Teng-Chun Wu, Tzu-Chien Wei	清華大學	Impacts of Masking Area on Photovoltaic Performance for Dim-light Dye-Sensitized Cells
EC065	Tsung-Yu Hsieha (謝宗育)*, Emilio Palomares, Tzu-Chien Wei (衛子健)	清華大學	Comparison of Photophysics Behaviors between Pb(NO ₃) ₂ - and PbI ₂ -based Perovskite Solar Cells
EC086	Po-yuan Cheng, Heng-Yi Cheng, and Shih-Yuan Lu*	清華大學	N-doped Hierarchical Porous Carbon Nanostructure for High Performance Flexible Gel-Type Supercapacitors
佳作			
報告編號	作者	單位	論文題目
EC011	Tzu-Ya Fang(方姿雅), Wein-Duo Yang(楊文都)*	高雄科大	High Performance Asymmetric Supercapacitor based on Amorphous MnO ₂ and Graphene/MWCNT Electrode

EC013	Chi Wang(王琦), Zhi-Bin Zheng(鄭志彬), Jyun-Wei Guo(郭俊威), Mao-Sung Wu(吳茂松)*	高雄科大	Porous carbon/metal oxide composite electrodes derived from metal-organic frameworks for electrochemical energy-storage application
EC020	Yi-Wei Chen (陳奕璋), Jia-Xing Wu (吳家興), Sou-Hui Hsiao (蕭受惠), Huey-Ing Chen (陳慧英)*	成功大學	Fabrication of Alkanedithiol Functionalized Schottky-type NOx Sensors
EC030	宋隆裕, 蔡宜穎, 洪品涵, 薛康琳	工研院綠能所	Study on the effect of carbon felt compression ratio on the performance of all vanadium redox flow battery
EC036	Chen Yang (楊振), Mei-Jywan Syu (許梅娟)*	成功大學	Investigation on the Development of A Creatinine Sensor
EC039	Wei-Li Shih, Zhe-Lun Zhang and Lin-Chi Chen*	臺灣大學	Investigation on the Stability of Ion-to-Electron Transfer by the Pre-reduction Process of Prussian Blue
EC059	Yi-Hsin Cheng(鄭怡欣)*, Tzu-Chien Wei(衛子健)	清華大學	Preliminary Study on Electrodepositing Lead Iodide in Non-toxic Bath for Perovskite Solar Cells
EC060	Bo-Yu Chen(陳柏瑜), Tsung-Yi Kuo(郭宗義), Shao-Liang Cheng(鄭紹良)*	中央大學	Fabrication of ordered anodic aluminum oxide nanotemplate and one dimensional Cu metal nanostructure arrays by nanosphere lithography combined with electrochemical deposition

EC049	Chien-Jui Lo (羅健睿) and Dong-Hwang Chen (陳東煌)*	成功大學	High-performance Co/CoO _x @N-rGO bifunctional electrocatalysts derived from Co-based MOFs grown on GO for rechargeable Zn-air batteries
EC063	Tzu-Sen Su(蘇子森)*, Tzu-Chien Wei (衛子健)	清華大學	Co-electrodeposition of Tin-doped TiO ₂ films as an electron-transporting layer for efficient perovskite solar cells
EC072	Wei-Jie Syu(許維捷), Jing-Huei Wang(王景輝), Shao-Ying Huang(黃少盈), Shih-Han Wang(王詩涵)*	雲林科大	Supercritical Fluid Synthesized Graphene-Nanocomposite for Low Concentration Ammonia Sensing
EC077	Periyathambi Dhaiveegan & Hao-Ting Peng & Monika Michalska & Yaoming Xiao & Jeng-Y Lin* & Chien-Kuo Hsieh	大同大學	Investigation of carbon coating approach on electrochemical performance of Li ₄ Ti ₅ O ₁₂ /C composite anodes for high-rate lithium-ion batteries
EC080	I-Ping Liu (劉一平), Chih-Mei Tseng-Shan (曾山智美), Wei-Hsun Lin (林韡勳), Yuh-Lang Lee (李玉郎)*	成功大學	A Blocking Layer Effect on the Indoor Performance of Cobalt-Mediated Dye-Sensitized Solar Cells