

理 工 研 究 國 際 期 刊

第一卷第一期

目 次

應用於生物感測器之可攜式多通道恆電位儀設計.....黃俊岳、黃裕成、林宏殷	1
水熱法合成氧化鋅奈米線及應用於檢測紫外光之性能.....曾世凱、洪敏雄、呂英治	11
發展以設計整合服務為導向之可互通性資料交換架構.....鄭元裕、賴新喜、謝明軒	17
以自由曲面透鏡光學設計應用在板上連接式晶片發光二極體光源作為 140W 路燈許世昌、林男明、張守進、吳禹賢	31

International Journal of Science and Engineering

Volume 1, NO.1

CONTENTS

Design of a Portable Multi-Channel Potentiostat for Biomolecule Sensors.....	
.....Chun-Yueh Huang, Yu-Cheng Huang, and Hung-Yin Lin	1
Preparation of ZnO Nanowires by a Hydrothermal Process and the Performance of Nanowire-based UV Photodetectors.....	
.....Shi-Kai Tzeng, Min-Hsiung Hon, and Ing-Chi Leu	11
Developing an Interoperable Data Exchange Architecture Centering on Design Integration Services.....	
.....Yune-Yu Cheng, Hsin-His Lai, and Ming-Hsuan Hsieh	17
Optical design of a freeform lens based on multi-chip-on- single-board LED light source for 140W street lamp.....	
.....Shih-Chang Shei, Nan-Ming Lin, Shouou-Jinn Chang, and Yu-Xian Wu	31