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專長 | 相變化材料研究、有機/無機奈米混成材料之合成及其特性分析、綠色複合材料開發

期刊論文 | (2019-2024)

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10. Yeng-Fong Shih, Ching-Wei Lin, Yu-Liang Cai, Kousar Jahan and Ying-Hsiao Chen (2023, Jan). Effects of Bio-Based Polyelectrolyte Complex on Thermal Stability, Flammability, and Mechanical Properties Performance Utilization in PLA/PBS Composites. Buildings, 13(1), 154 . nstc 110-2813-C-324-021-E. 本人為第一作者、通訊作者.
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- 28.** Yeng-Fong Shih, Wei-Cheng Hou, Venkata Krishna Kotharangannagari, Ming-Gin Lee (2020, Jun). Effects of the Usage of Wasted Diatomite and Phase Change Materials as Partial Replacement of Cement on the Mechanical Properties of Concrete. Key Engineering Materials, 847, 161-166. MOST 108- 2218-E-324-001. 本人為第一作者、通訊作者.
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22. 石燕鳳、賴仲哲 (2019年10月)。含奈米纖維素之聚碳酸酯母粒開發及其於聚合物混摻之應用研究。高分子聯合會議。科技部：107-2221-E-324-008。本人為第一作者、通訊作者。

23. 石燕鳳、陳佩瑛、賴仲哲 (2019年01月)。應用於儲存熱能之植物纖維/相變微膠囊/高密度聚乙烯導熱複合材料開發。高分子聯合會議。科技部：106- 2221-E-324-018。本人為第一作者、通訊作者。

產學研究計畫 |

計畫名稱	起迄年月	補助或委託機構
奈米纖維素複合材料應用於低碳永續生物感測器及穿戴式裝置之柔性電池	2024/08~2026/07	國科會
奈米纖維素試量產及奈米纖維素補強複合材料開發	2023/11~2025/03	國科會
利用印加果油粕萃取物行金屬氧化物奈米化加工及產業之應用	2023/08~2025/07	國科會
奈米纖維素/綠色合成奈米金屬/奈米碳材相變微膠囊及氣凝膠於熱能儲存及熱輻射管理之應用	2023/08~2025/03	國科會
具表面增強拉曼光譜功能之奈米纖維素複合材料及其奈米感測器於農業環境場域檢測之應用	2022/08~2024/03	國科會
葡萄藤循環再利用於製備高附加價值環境友善生質複合材料之技術開發	2021/11~2023/05	國科會
含兩種動態共價鍵之奈米纖維素基環境友善類玻璃態高分子之合成、應用開發及其動態力學分析	2021/08~2022/07	國科會
工業廢棄物應用於形狀穩定相變化複合材料之高值化再利用技術開發	2020/06~2021/11	國科會
以銀觸媒催化劑取代錫鈮膠體催化劑之開發(續)及量產應用	2021/11~2022/10	福懋興業股份有限公司
植物纖維防霉抗蟲技術研發計畫	2021/11~2022/12	玩艸植造股份有限公司
生質綠色複合材料研發計畫	2021/12~2022/12	台灣鼎立基材有限公司
綠色塑木複合材料研發及 STEM 人才培育計畫	2021/11~2022/12	生生綠建材
110 年大專校院 STEM 領域及女性研發人才培育計畫	2021/08~2022/07	教育部
111 年大專校院 STEM 領域及女性研發人才培育計畫	2022/08~2023/07	教育部
以銀觸媒催化劑取代錫鈮膠體催化劑之開發(續 2)及量產應用	2022/12~2023/11	福懋興業股份有限公司
耐熱 PET 材料研發計畫	2023/03~2024/03	集泉塑膠工業股份有限公司

計畫名稱	起迄年月	補助或委託機構
資源循環再利用之淨零排放材料研發	2023/08~2024/07	新泰湧科技有限 公司
薑的副產品開發計畫	2023/06~2024/05	香草山農業生技 股份有限公司
結晶及循環 PET 材料研發計畫	2023/10~2024/03	集泉塑膠工業股 份有限公司