

科技創新提升計劃 2021年度獲批項目

Financiamento para Programa de Reforço da Inovação Científica e Tecnológica em 2021

序號 N.º	檔案編號 N.º de Projecto	申請實體 Entidade Beneficiária	項目負責人 O Responsável de Projectode	研究項目 Finalidade
1	0003/2021/ITP	澳門科技大學基金會- 澳門科技大學 Fundação Universidade de Ciência e Tecnologia de Macau – Universidade de Ciência e Tecnologia de Macau	白麗平 Bai, Liping	基於深度學習和多機械臂協作的垃圾分揀系統 Garbage sorting system based on deep learning and multi-manipulator collaboration
2	0004/2021/ITP	澳門科技大學基金會- 澳門科技大學 Fundação Universidade de Ciência e Tecnologia de Macau – Universidade de Ciência e Tecnologia de Macau	鍾恬 Zhong, Tian	基於低濃度二氧化氯的新型氣調保鮮包裝的 應用研究 Application of new modified atmosphere packaging (MAP) based on low concentration ClO ₂
3	0005/2021/ITP	澳門科技大學基金會- 澳門科技大學 Fundação Universidade de Ciência e Tecnologia de Macau – Universidade de Ciência e Tecnologia de Macau	彭宇陽 Peng, Yuyang	無線傳感系統中基於索引調製的傳輸保密增 強研究 Research on secrecy enhancement for IM based transmission in wireless sensing systems
4	0007/2021/ITP	澳門超分子化學與生物材料學會 Macau Society of Supramolecular Chemistry and Biomaterials	高泳詩 Kou, Weng Si	基於三七人參皂苷的美白納米面膜的製備和 研究 Preparation of whitening nano facial masks based on Ginsenosides isolated from Panax notoginseng
5	0010/2021/ITP	培華中學 Escola Secundária Pui Va	趙起超 Zhao, Qichao	小型機器人動態面控制理論與應用研究 Dynamic surface control for small robotic systems
6	0011/2021/ITP	澳門大學 Universidade de Macau	孔兆偉 Kong, Zhaowei	酮酯補充和生酮飲食對超重/肥胖成人大腦可 塑性的影響：神經生理和靜息功能磁共振研 究 (rfMRI) The effect of ketone ester supplementation and ketogenic diet on brain plasticity in overweight/obese adults: a neurophysiological and resting functional magnetic resonance study (rfMRI)
7	0013/2021/ITP	澳門科技大學基金會- 澳門科技大學 Fundação Universidade de Ciência e Tecnologia de Macau – Universidade de Ciência e Tecnologia de Macau	劉新 Liu, Xin	基於深度學習的實時籌碼盤監管系統 The real time supervision system of casino chips basing on deep learning
8	0014/2021/ITP	澳門大學 Universidade de Macau	林智聲 Lam, Chi Seng	水下無線電能傳輸系統之研究 Research on underwater wireless power transfer system

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9	0015/2021/ITP	澳門大學 Universidade de Macau	閻鳴 Yan, Ming	日文二語學習者和母語者在文本閱讀過程中的認知加工對比研究 A comparative study of cognitive processes between Japanese second language learners and native speakers during natural sentence reading
10	0020/2021/ITP	澳門大學 Universidade de Macau	郝天偉 Hao, Tianwei	新型高速雙段厭氧耦合(APAI)污水處理工藝 Anaerobic membrane bioreactor and partial nitrification-anammox integrated (APAI) system for efficient municipal wastewater treatment
11	0024/2021/ITP	澳門鏡湖護理學院 Instituto de Enfermagem Kiang Wu de Macau	王慧 Wang, Hui	澳門青少年網絡成癮風險因素模型及亞型分類研究 Research on risk factor model and subcategories of internet addiction in Macao adolescents
12	0029/2021/ITP	澳門大學 Universidade de Macau	鍾昌明 Chong, Cheong Meng	天麻提取物治療帕金森病的優化及作用機制研究 Study on the optimization and mechanism of Gastrodia elata Blume (Tianma) extract in the treatment of Parkinson's disease
13	0031/2021/ITP	澳門科技大學基金會- 澳門科技大學 Fundação Universidade de Ciência e Tecnologia de Macau – Universidade de Ciência e Tecnologia de Macau	祁亞平 Qi, Yaping	人工智能和材料分析 AI and materials analysis
14	0032/2021/ITP	澳門大學 Universidade de Macau	張永臻 Cheong, Weng Chon	面向電化學葡萄糖氧化反應的單原子位點催化劑的合成與機理研究 Synthesis and mechanism study of single-atomic site-catalysts towards electrochemical glucose oxidation reaction
15	0039/2021/ITP	澳門城市大學 Fundação da Universidade da Cidade de Macau	黃廣 Huang, Guang	基於風險地圖RM的澳門文化遺產監測預警技術應用研究 Study on The application of monitoring and early warning technology for Macao's cultural heritage based on risk map
16	0040/2021/ITP	慈幼中學 Instituto Salesiano	駱進武 Lok, Chon Mou	基於三維打印擺線齒輪無刷馬達串聯彈性制動器低成本四足機械人 A low cost quadruped robot based on 3d printed cycloidal gearbox BLDC series elastic actuator
17	0041/2021/ITP	澳門大學 Universidade de Macau	劉志 Liu, Zhi	基於統計學習的澳門慢性腎病數據分析 Statistical learning of chronic kidney disease in Macau
18	0044/2021/ITP	澳門城市大學 Fundação da Universidade da Cidade de Macau	周家賢 Chau, Ka Yin	澳門國際機場車輛駕駛專業培訓虛擬現實場景的研究與開發 Research and development of the Macau International Airport virtual reality (VR) scenario for vehicle driving professional training