

科研及創新資助
2024年度獲批項目

Financiamento para Investigação Científica e Inovação em 2024

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	0161/2023/RIA3	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	張濤 Zhang, Tao	基於大語言模型的移動應用隱私泄露檢測系統 A Privacy Leakage Detection System for Mobile Applications Based on Large Language Model
2	0166/2023/RIA3	澳門大學 Universidade de Macau	王鵬 Wang, Peng	大數據驅動整合內源與外源因子定量解析腫瘤微環境的算法 Big data-driven algorithm that integrates endogenous and exogenous factors to quantitatively analyze the tumor microenvironment
3	0170/2023/RIA3	澳門大學 Universidade de Macau	李傳根 Li, Chuangen	沙眼衣原體對結直腸腫瘤作用的 研究 The role of chlamydia muridarum in colorectal cancer progression
4	0074/2023/RIB3	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	李雲健 Li, Yunjian	耐水耐高溫磷酸鎂水泥快速修補材料的開發與應用 Development and Application of Water and High-Temperature Resistant Rapid Repair Materials with Magnesium Phosphate Cement
5	0075/2023/RIB3	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	吳洋 Wu, Yang	典型抗生素在電化學高級氧化體系中的降解效能及影響機制 The degradation performance and influencing mechanism of typical antibiotics by advanced oxidation processes in electrochemistry
6	0001/2024/RIA1	鏡湖醫院慈善會 Associação de Beneficência do Hospital Kiang Wu	洪宇 Hong, Yu	子宮內膜息肉患者胰島素抵抗状态及与子宮內膜InR、IGF- 1R和IRS表达的关系 Insulin resistance status and its relationship with the expression of InR, IGF-1R and IRS in endometrium of patients with endometrial polyp
7	0025/2024/RIA1	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	江偉權 Jiang, Weiquan	波浪作用下浮遊微藻的輸移機理：實驗測量與理論模型 Transport mechanism of planktonic algae under wave action: experimental measurement and theoretical model

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8	0040/2024/RIA1	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	潘媛媛 Pan, Yuanyuan	基於多粒度多模態的高效加密流量檢測研究 Research on Efficient Encrypted Traffic Detection Based on A Multiscale and Multimodal Approach
9	0044/2024/RIA1	澳門大學 Universidade de Macau	閻鳴 Yan, Ming	基於眼球追蹤技術的語言認知老化評估與干預初探 Assessment and intervention of language cognitive aging based on eye tracking technology
10	0046/2024/RIA1	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	蔣亞男 Jiang, Yanan	海水中老化微塑料與PFOS及其前體物的復合機理及復合毒性 效應研究 The joint-toxicity and sorption behavior of perfluorooctane sulfonic acid and its precursors on aged microplastics in a marine environment
11	0059/2024/RIA1	澳門大學 Universidade de Macau	Oliveira Reis, Joel Oliveira Reis, Joel	在未知环境中自主水面航行器导航的方法论 MANEUVER - Methodologies for autonomous surface craft navigating in unknown environments
12	0067/2024/RIA1	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	黨培 Dang, Pei	線性正則變換的函數空間理論與方法研究 Research on function space theory and method of linear canonical transform
13	0070/2024/RIA1	澳門大學 Universidade de Macau	楊文 Yang, Wen	Toda系統與Liouville型方程爆破解的研究 On the blow up solutions of Toda system and Liouville type equation
14	0034/2024/RIB1	澳門大學 Universidade de Macau	黃滿安 Wong, Mun On	數字孿生在遺產建築智能火災安全管理的研究與應用 Digital Twinning for Intelligent Fire Safety Management of Heritage Buildings
15	0053/2024/RIB1	澳門大學 Universidade de Macau	毛曉雯 Mao, Xiaowen	基於巢蛋白1（NID1）的mRNA疫苗開發及其在肝癌治療中的 機制和應用研究 The development of NID1 encoded mRNA vaccine and its application in liver cancer treatment

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16	0145/2023/RIA3	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	王飛躍 Wang, Feiyue	基於分佈式自治組織的交通治理聯邦大模型關鍵技術研究 A Federated Foundation Model for Traffic Governance Based on Decentralized Autonomous Organizations and Operations
17	0147/2023/RIA3	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	蔡濤 Cai, Tao	巨行星旋轉熱磁對流的數值模擬研究 On the study of rotating magnetoconvection in gas giants
18	0153/2023/RIA3	澳門大學 Universidade de Macau	張紅杰 Zhang, Hongjie	結合遺傳抑制子篩選和藥物篩選解讀SPTLC1相關ALS和HSA N1神經退化性疾病的分子機制 Decoding the molecular mechanisms of SPTLC1-associated ALS and HSAN1 neurodegenerative diseases through genetic suppressor- and drug- screens
19	0155/2023/RIA3	澳門大學 Universidade de Macau	李俊樂 Lei, Chon Lok	數據解密模型：解開膜片鉗實驗誤差與潛在的電生理特性 Deciphering model: Untangle patch-clamp experimental errors and underlying electrophysiological properties
20	0160/2023/RIA3	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	張彤 Zhang, Tong	多組學和純培養聯用解析新污染物的生物降解機理及其分子 調控機制 Deciphering the biodegradation pathways and mechanisms of emerging pollutants through integrated multi-omics and culture- dependent approaches
21	0164/2023/RIA3	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	曾莉 Zeng, Li	基於靶向KMO蛋白調節KYN通路研究人參皂苷抗抑鬱效應機 制 Identification of the anti-depressive mechanism of ginsenoside by exploring its interaction with KMO and effects on the kynurenine pathway
22	0167/2023/RIA3	澳門大學 Universidade de Macau	程愛芳 Cheng, Aifang	針對 C9orf72 基因關聯的肌萎縮性脊髓側索硬化症伴額顳葉癡呆症的藥物 先導化合物的藥理學和臨床前研究 Pharmacological and Preclinical Study on Drug-Lead Compounds Targeting C9orf72 ALS/FTD

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23	0168/2023/RIA3	澳門大學 Universidade de Macau	賈艷偉 Jia, Yanwei	基於集成電路芯片上單細胞阻抗測量的癌症藥物篩選 Cancer Drug Screening Based on Single-cell Impedance Detection on Integrated Circuit Chip
24	0176/2023/RIA3	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	宗秋剛 Zong, Qiugang	內輻射帶能量電子結構形成與演化：基於澳門科學一號衛星 數據研究 The formation and evolution of energetic electrons in the inner radiation belt based on the datasets from Macao Science Satelite 1
25	0177/2023/RIA3	澳門理工大學 Universidade Politécnica de Macau	魏樂義 Wei, Leyi	基於人工智能的多肽藥物設計大模型 Artificial Intelligence-Based Large Language Models for Peptide Drug Design
26	0179/2023/RIA3	澳門大學 Universidade de Macau	殷灝 Ian, Hou	基於超導電路的量子熱機 Quantum thermal machines based on superconducting circuits
27	0188/2023/RIA3	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	李東 Li, Dong	基於邊緣伺服器的藍牙反向散射系統中載波識別和自適應寬 頻跳頻研究 Edge Server-aided BLE Backscatter system: Carrier Recognition and Adaptive Wideband Frequency Hooping
28	0192/2023/RIA3	澳門大學 Universidade de Macau	Ferreira Silvestre, Carlos Jorge	RAVESI - 探索與海底干預的機器人自主車輛 RAVESI - Robotic Autonomous Vehicle for Exploration and Subsea Intervention
29	0193/2023/RIA3	澳門大學 Universidade de Macau	潘治文 Pun, Chi Man	基於有效可靠深度模型的多人交互行為識別 Multi-person Interactive Action Recognition Based on Effective and Reliable Deep Models
30	0062/2023/RIB3	鏡湖醫院慈善會 Associação de Beneficência do Hospital Kiang Wu	張振榮 Cheung, Chun Wing	基於互聯網+多種慢病智能共享隨訪管理平臺研发及應用 Development of multiple chronic diseases co-management system based on Internet+Medicine
31	0063/2023/RIB3	澳門大學 Universidade de Macau	王明浩 Wang, Minghao	低碳城市電網超可靠光儲发电系統研究 Ultra-reliable Photovoltaic-storage Power Conversion Systems for Low-carbon Urban Power Grids

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32	0065/2023/RIB3	澳門大學 Universidade de Macau	趙永華 Zhao, Yonghua	基於多源異構多模數據融合構建阿爾茨海默病早期識別的智能輔助系統 The establishment of an intelligent assistance system for early identification of Alzheimer's disease based on multi-source heterogeneous multi-modal data fusion
33	0067/2023/RIB3	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	鄭澤峰 Cheang, Chak Fong	面向自動駕駛安全的交通燈檢測和軌迹規劃風險決策的關鍵技術研究 The Key Technologies for Autonomous Driving Safety on Traffic Light Detection and Risk Decision of Trajectory Planning
34	0068/2023/RIB3	澳門大學 Universidade de Macau	邵郁林 Shao, Yulin	反饋增強型高能效物聯網 Downlink-Enhanced Efficient-Power Internet-of-Things
35	0069/2023/RIB3	澳門大學 Universidade de Macau	王穎 Wang, Ying	創新中藥複方JCM-16021通過調節芳煙受體重塑潰瘍性結腸炎上皮屏障的研究 Chinese medicine formula JCM-16021 reshaping intestinal integrity in ulcerative colitis by regulating the aryl hydrocarbon receptor
36	0071/2023/RIB3	澳門城市大學 Universidade da Cidade de Macau	代毅 Dai, Yi	澳門中小學智能學習系統與遠像光屏學習機及其關鍵技術研究 Research on intelligent learning system & telephoto learning machine and their key technologies in Macao for K-12 students
37	0076/2023/RIB3	澳門大學 Universidade de Macau	鄭穎 Zheng, Ying	凋亡細胞膜融合的脂質納米粒遞送平臺用於炎症疾病的精準靶向治療 Apoptotic cell membrane fused lipid nanoparticles with precise targeting ability for the treatment of inflammatory diseases
38	0078/2023/RIB3	澳門大學 Universidade de Macau	徐青松 Xu, Qingsong	用于協助微創腸胃手術的靈巧微型機器人研發 Development of Dexterous Microrobots to Assist in Minimally Invasive Gastrointestinal Surgery

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39	0080/2023/RIB3	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	李娜 Li, Na	柑橘屬中藥複雜體系功能性成分解析關鍵技術和產品開發 Key technologies and product development for decoding functional components in complex systems of Citrus herbal medicines
40	0001/2024/RIA1	鏡湖醫院慈善會 Associação de Beneficência do Hospital Kiang Wu	洪宇 Hong, Yu	子宮內膜息肉患者胰島素抵抗状态及与子宮內膜InR、IGF- IR和IRS表达的关系 Insulin resistance status and its relationship with the expression of InR, IGF-IR and IRS in endometrium of patients with endometrial polyp
41	0002/2024/RIA1	澳門城市大學 Universidade da Cidade de Macau	辜嘉 Gu, Jia	消化內鏡定位與地圖構建系統關鍵技術研發 Research on Key Technologies for Digestive Endoscopy Localization and Map Reconstruction System
42	0006/2024/RIA1	澳門城市大學 Universidade da Cidade de Macau	孫鑫 Sun, Xin	數字孿生文旅體驗中智能交互關鍵技術研究 Research on Key AI Interaction Technologies on Digital Twins for Cultural Tourism Experiences
43	0008/2024/RIA1	澳門醫學科技研究協會 Macau Medical Science & Technology Research Association	譚文成 Tam, Man Seng	多級靶向遞送活細胞機器人的定向構築及其協同治療骨關節 炎研究 Oriented Construction of Living Cell Robots for Osteoarthritis- Targeted Multiple Delivery and Synergetic Therapy
44	0016/2024/RIA1	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	程亮 Cheng, Liang	新型硫化鋅復合微球的構建及其在肝癌栓塞聯合治療中的應 用研究 Novel zinc sulfide composite microsphere construction and for application in combined embolization therapy of liver cancer
45	0017/2024/RIA1	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	王兆印 Wang, Zhaoyin	人工造陸對澳門及珠江口生態的影響—以大型底栖無脊椎動 物為重點 Ecological consequences of land reclamation in Macau and the Pearl River estuary with an emphasis on benthic macroinvertebrate assemblages

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46	0018/2024/RIA1	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	陳敏 Chen, Min	黃芩厚朴湯誘導結直腸癌細胞焦亡的物質基礎和作用機制研究 The Study on the Material Basis and Mechanisms of Huangqin Houpo Decoction Inducing Pyroptosis in Colorectal Cancer Cells
47	0019/2024/RIA1	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	葉麗 Ye, Li	治療肺纖維化的吸入型盤狀蛋白結構域受體1（DDR1）單域抗體的研究與開發 Research and development of an inhalable Discoidin Domain Receptor 1 (DDR1) single-domain antibody for the treatment of pulmonary fibrosis
48	0020/2024/RIA1	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	田小林 Tian, Xiaolin	面向遙感圖像的多模態視覺語言模型研究 Research on Multimodal Visual Language Models for Remote Sensing Images
49	0021/2024/RIA1	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	徐懿 Xu, Yi	探地雷達對熔岩管道的探測技術研究：月球基地建設的啟示 Research on Ground Penetrating Radar for Detection of Lava Tubes: Insights for Moon Base Construction
50	0030/2024/RIA1	澳門理工大學 Universidade Politécnica de Macau	姚小軍 Yao, Xiaojun	靶向白細胞酪氨酸激酶的PROTAC分子開發及其抗非小細胞肺癌活性研究 Development of PROTAC molecules targeting leukocyte tyrosine kinase and study of their activity against non-small cell lung cancer
51	0033/2024/RIA1	澳門大學 Universidade de Macau	高亮 Gao, Liang	基於數值模擬和人工智能預報颱風暴雨誘發的洪水巨災風險 Assessing the catastrophic flooding risks induced by typhoon torrential rains based on numerical and artificial intelligence forecasting methods
52	0035/2024/RIA1	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	沈兵 Shen, Bing	CaSR- TRPV2鈣信號軸在繼發性甲狀旁腺功能亢進症中的致病機制及靶向小分子研發 Pathogenesis and targeting small molecule development of CaSR-TRPV2 calcium signal axis in secondary hyperparathyroidism

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53	0037/2024/RIA1	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	曾祥財 Tsang, Cheung Choy Eric	開放環境下複雜數據的多粒度知識獲取與漸進更新研究 Research on multi-granularity knowledge acquisition and progressive updating for complex data in an open environment
54	0042/2024/RIA1	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	何兆國 He, Zhaoquo	閃電哨聲波的傳播、分佈及其對地球空間環境的影響 Propagation and distribution of lightning generated whistler and its effect on Earth's space environment
55	0048/2024/RIA1	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	羅婉君 Law, Yuen Kwan	靶向FBXL16调控泛素化通路降解阿尔兹海默症致病蛋白的作用及机制研究 Mechanistic and pharmacological study of targeting FBXL16 to regulate the ubiquitinated degradation of Alzheimer's disease proteins
56	0049/2024/RIA1	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	龔山陵 Sunling, Gong	基於AI和街區尺度CFD的精細化空氣質量預報系統研發 Development of the refined air quality forecasting system based on AI techniques and street-scale CFD simulation in Macao
57	0051/2024/RIA1	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	張偉 Zhang, Wei	基於磁性碳基納米材料和化學標記的綫粒體mRNA修飾新型 分析平臺的構建及應用 Construction and application of a novel analysis platform for mitochondrial mRNA modification based on magnetic carbon-based nanomaterials and chemical labeling methods
58	0052/2024/RIA1	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	肖龍 Xiao, Long	火星地質與輻射環境及其對生命信號保存的研究 Research on Martian Geology and Radiation Environment, and Their Impact on the Preservation of Biosignatures
59	0062/2024/RIA1	澳門大學 Universidade de Macau	邵郁林 Shao, Yulin	深度神经网络的高效语义通信技术研究 DNNWave: A New Paradigm for Semantic Deep Neural Network Transmission

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60	0063/2024/RIA1	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	遲力峰 Chi, Lifeng	基於離子交換摻雜態聚合物的有機電化學晶體管及其生物傳 感研究 Organic electrochemical transistors based on ion-exchange pre- doping polymers and their biosensing application
61	0066/2024/RIA1	澳門大學 Universidade de Macau	楊聲遠 Yang, Shengyuan	探索新型非線性電荷和自旋輸運效應及其應用 Explore novel nonlinear charge and spin transport effects and their applications
62	0068/2024/RIA1	澳門大學 Universidade de Macau	胡光輝 Hu, Guanghui	氣動優化設計中機理驅動的強化學習方法研究 On mechanism-driven reinforcement learning methods for aerodynamic design optimization
63	0070/2024/RIA1	澳門大學 Universidade de Macau	楊文 Yang, Wen	Toda系統與Liouville型方程爆破解的研究 On the blow up solutions of Toda system and Liouville type equation
64	0071/2024/RIA1	澳門大學 Universidade de Macau	歐陽德方 Ouyang, Defang	合理設計用於遞送 mRNA 的脂質納米顆粒 Rational design of lipid nanoparticles for mRNA delivery
65	0003/2024/RIB1	澳門醫學科技研究協會 Macau Medical Science & Technology Research Association	鄭力恆 Cheang, Lek Hang	脊柱專用雙通道內鏡技術治療復雜退行性脊柱疾病的關鍵技 術及整體研發 Overall development and key Techniques of spinal specific biportal endoscopic technology for the treatment of complex degenerative spinal diseases
66	0009/2024/RIB1	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	王東海 Wang, Donghai	澳門高分辨率數值天氣預報關鍵技術及系統原型研發 Research and Development on Macau High Resolution Numerical Weather Prediction System
67	0013/2024/RIB1	澳門大學 Universidade de Macau	邵懷宇 Shao, Huaiyu	預鋰化SiO- Gr幹法電極的製備及表面封裝預產業化關鍵技術研究 Research on Key Technologies for Fabrication and Surface Packaging of Pre-lithiated SiO-Gr Dry-process Electrodes towards Industrialization

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68	0014/2024/RIB1	澳門大學 Universidade de Macau	袁振 Yuan, Zhen	基于多模态磁共振影像对前驱期阿尔茨海默症聚焦声光调控及神经网络机制研究 Focused ultrasound intervention and light modulation on the network of prodromal Alzheimer's disease based on multi-modal magnetic resonance imaging
69	0016/2024/RIB1	澳門大學 Universidade de Macau	李日輝 Li, Rihui	基於腦影像和人工智能的自閉症亞型分類和個性化診療系統 Autism subtype classification and personalized diagnosis and treatment system based on brain imaging and artificial intelligence
70	0018/2024/RIB1	澳門大學 Universidade de Macau	梁麗嫻 Leung, Lai Han	開發功能食品以緩解肺炎感染期間大劑量抗生素治療引起的胃腸道副作用 Development of functional dietary supplement product for relieving the side-effect of GI tract due to high dose anti-biotics treatment during pneumonia
71	0021/2024/RIB1	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	李良 Li, Liang	量子點熒光微球的低溫燒結法製備及其免疫檢測應用初探 Preparation of Quantum Dot Fluorescent Microspheres by Low-temperature Sintering Method and Their Application in Immunoassay
72	0022/2024/RIB1	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	徐友華 Xu, Youhua	益氣活血養陰方調控代謝重編程防治糖尿病腎病的作用及機制研究 Study of Yiqi-Huoxue-Yangyin Formula on Diabetic Nephropathy Based on Metabolic Reprogramming
73	0023/2024/RIB1	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	李行偉 Lee, Hun Wei Joseph	海岸帶生態環境的數字孿生研究-以有害藻華為例 Digital twin of coastal ecological environments – with special reference to harmful algal blooms (HABs)

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74	0024/2024/RIB1	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	蔡翊宇 Cai, Yi Yu	多元納米顆粒構築可調控表面增強拉曼散射晶片及其在分子 檢測中的機理及應用研究 Tunable Surface-Enhanced Raman Scattering Substrates Based on Multi-component and Functional Nanoparticles: Mechanism and Applications in Molecular Detection
75	0026/2024/RIB1	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	卞西清 Bian, Xiqing	蔥屬植物活性成分分析、分離、功能研究及其產品開發 Analysis, isolation, functional study and product development of the bioactive ingredients from Allium plant
76	0035/2024/RIB1	澳門大學 Universidade de Macau	姜穎 Jiang, Ying	基于緊密共形貼附生物界面的柔性電子器件及其數字化感知 應用 Conformal bioelectrical interface for soft electronic devices and their sense digitalization applications
77	0036/2024/RIB1	澳門大學 Universidade de Macau	沈漢明 Shen, Hanming	線粒體自噬和RNA病毒原發性免疫反應的相互作用：從機制 到應用的系統性研究 Understanding the interplays between mitophagy and RNA virus- mediated innate immunity: from molecular mechanisms to application
78	0038/2024/RIB1	澳門大學 Universidade de Macau	顏王吉 Yan, Wangji	長標距應變傳遞比物理特性驅動的橋樑分散式並行損傷智慧 診斷方法與關鍵技術研究 Theory and Key Technology of Distributed Parallel Intelligent Damage Diagnosis for Bridge Engineering Powered by Physical Properties of Long-Gauge Strain Transmissibility
79	0040/2024/RIB1	澳門大學 Universidade de Macau	路嘉宏 Lu, Jiahong	基于綫粒體自噬調控的抗帕金森病新藥研發和機制研究 Targeting mitophagy for the development of anti-Parkinson disease drug and mechanism study

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80	0041/2024/RIB1	澳門大學 Universidade de Macau	陳斌猛 Chen, Binmeng	水泥環境中可降解中空塑料球的開發及其在輕質混凝土中的應用 Development of cement-adaptive degradable-hollow-plastic-sphere(DHPS) and their applications in lightweight concrete
81	0042/2024/RIB1	澳門大學 Universidade de Macau	孫國星 Sun, Guoxing	泡沫混凝土浮體材料性能調控機理及其多領域應用研究 High-Performance Nano-Foam Concrete Floating Materials and its Cross-Field Application
82	0044/2024/RIB1	澳門大學 Universidade de Macau	管錚 Guan, Zheng	基於物理- 數據雙驅動的海底盾構下穿構築物變形實時風險評估技術 Real-time Deformation Risk Assessment Technology for Submarine Shield Tunneling beneath Structures Based on Hybridizing Physical and Data-driven Approach
83	0046/2024/RIB1	澳門大學 Universidade de Macau	譚錦榮 Tam, Kam Weng	基于智能可重構頻率選擇表面的角動量成像技術研究及其在 無芯片射頻標籤領域的應用 Research on Reconfigurable Intelligent Frequency Selective Surface OAM Imaging Techniques and Its Application for Chipless RFID
84	0054/2024/RIB1	澳門大學 Universidade de Macau	劉子銘 Liu, Tzuming	以紅血球糖化血色素的三倍頻多譜影像快速重建血糖軌跡 Third Harmonic Generation Spectral Imaging of Red-Blood-Cell HbA1c for Rapid Glycemic Trajectory Reconstruction
85	0056/2024/RIB1	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	雷瓊 Lei, Qiong	新型電催化二氧化碳轉化原位表徵反應器的設計及應用 Design and Application of A Novel Operando Characterization Reactor for Electrocatalytic Carbon Dioxide Conversion
86	0057/2024/RIB1	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	韓子天 Hon, Chitin	多模態大模型機器人關鍵技術研究 Research on Key Technologies of Multimodal Large Model Robot

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87	0001/2024/RIC	澳門大學 Universidade de Macau	陳奇涵 Chen, Qihan	一种集成化数字微流控电化学生物传感基因芯片的研制及临床验证 Development and clinical validation of an integrated digital microfluidic electrochemical biosensing gene chip
88	0003/2024/RIC	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	馮可 Feng, Ke	皮膚創面修復mRNA藥物研發 Developing mRNA drug for skin wound repair
89	0005/2024/RIC	澳門大學 Universidade de Macau	李家明 Lei, Ka Meng	基於FinFET先進工藝的晶片內溫度感測器IP研發 Development of compact temperature sensing circuit IP in advanced FinFET process
90	0010/2024/RIC	澳門大學 Universidade de Macau	潘少恆 Pun, Sio Hang	生物醫學專用模擬IP 與演算法應用技術攻關 Research and Development of Biomedical Signal Analog Front-end IPs and Algorithms