

一般科研資助
2022年度獲批項目
Financiamento para Geral Investigação em 2022

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	0106/2021/A	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	蒙梓棋 De Souza Monteiro, Olivia Filomena	研究國藥滅活疫苗 BBIBP-CorV 和 BioNTech mRNA 疫苗初種系列及同源與異源 加強劑在澳門地區人群中對新冠肺炎病毒變異毒株的有效性 。 Effects of Sinopharm BBIBP-CorV and BioNTech mRNA primary vaccination series and homologous and heterologous booster shots against SARS-CoV2 variants of concern in a local population in Macao
2	0014/2022/A1	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	張小平 Zhang, Xiaoping	空間環境中塵埃靜電遷移機制研究 Study on Electrostatic Migration Mechanism of Dust in Space Environment
3	0015/2022/A1	澳門大學 Universidade de Macau	陸金健 Lu, Jinjian	石蒜碱結構優化及其增強PD-L1抗體抗腫瘤活性機制研究 Structural modification of lycorine and its mechanism of enhancing antitumor activity of PD-L1 antibody
4	0016/2022/A1	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	許文韜 Xu, Wentao	遠距離彗星活動之研究 Studies of Distant Cometary Activity
5	0017/2022/A1	澳門大學 Universidade de Macau	黃民聰 Wong, Man Chung	異構融合逆變拓撲研究在多功能補償器及能量路由器的應用 Fusion Topology Converter Design for Multifunction Compensators and Energy Routers
6	0018/2022/A1	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	唐建新 Tang, Jianxin	晶向生長調控的高效穩定藍光鈣鈦礦發光二極管 Efficient and Stable Blue Perovskite Light-Emitting Diodes Based on Crystal Orientation Tuning
7	0020/2022/A1	澳門大學 Universidade de Macau	梁重恒 Leung, Chung Hang	基於高效降噪篩選蛋白-蛋白相互作用調節劑的技術開發 Development of sensitive luminescent strategies for screening protein-protein interaction modulators
8	0021/2022/A1	澳門大學 Universidade de Macau	周胤寧 Zhou, Yinning	多功能便攜式臨床診斷輔助芯片實驗室 Lab-on-a-chip for Field-Deployable Clinical Diagnosis in the Developing world
9	0022/2022/A1	澳門大學 Universidade de Macau	周建濤 Zhou, Jiantao	社交多媒體信息取證關鍵技術研究與產業化 Research and industrialization of key technologies for multimedia information forensics over online social networks
10	0023/2022/A1	澳門大學 Universidade de Macau	路延 Lu, Yan	高能效微處理器的集成電源設計 Integrated Voltage Regulator Design for Energy-Efficient Microprocessors
11	0024/2022/A1	澳門大學 Universidade de Macau	徐歡樂 Xu, Huanle	保證服務質量的雲原生系統資源管理優化 Optimization for Resource Management in Cloud Native Systems with SLA Guarantees
12	0025/2022/A1	澳門大學 Universidade de Macau	路嘉宏 Lu, Jiahong	抗炎性腸病先導化合物非洲防己鹼的藥理機制研究及成藥 性評價 Pharmacological study and druggability assessment on the anti- inflammatory bowel disease lead compound Columbamine

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13	0026/2022/A1	澳門大學 Universidade de Macau	郝天偉 Hao, Tianwei	有機廢物高價值資源化：電化學預處理-厭氧發酵（EPT-AD）系統從機理研究到應用工藝開發 Turning organic solid wastes into value-added products: The mechanistic study and process development of an electrochemical pretreatment-anaerobic digestion (EPT-AD) system
14	0027/2022/A1	澳門大學 Universidade de Macau	郭珩輝 Kwok, Hang Fai	研究Osteopontin (OPN) 和突變/野生型 KRAS 在腸癌發展和預後中的分子機制作為早期診斷和治療靶點 To investigate the molecular mechanisms of Osteopontin (OPN) and KRAS mutant/wild-type in colon cancer development and prognosis as an early diagnosis and therapeutic target
15	0029/2022/A1	澳門大學 Universidade de Macau	高亮 Gao, Liang	洪水過程虛擬現實仿真與防災減災決策支持平台研發 Decision support system and virtual reality technologies for analyzing and mitigating flood hazards
16	0030/2022/A1	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	宋慶彬 Song, Qingbin	典型城市有機固廢催化氧化耦合原位碳捕集強化重整制氫機制和應用研究 Mechanism and application research on catalytic reforming coupled with in-situ carbon capture towards enhancing hydrogen production from gasification of organic fraction in typical municipal solid waste
17	0031/2022/A1	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	楊蕾 Yang, Lei	磁性斯格明子基態的數學模型和數值方法研究 Mathematical Models and Numerical Methods on Ground State of Magnetic Skyrmions
18	0032/2022/A1	澳門大學 Universidade de Macau	王山鳴 Wang, San Ming	澳門人群中導致乳腺癌卵巢癌大腸癌等相關癌基因的精準突變篩查 Precise screening for breast, ovarian and colon cancer-related hereditary mutations in Macau population
19	0033/2022/A1	澳門大學 Universidade de Macau	張平 Zhang, Ping	製備嵌入緩釋阻垢劑納米材料的氧化石墨烯膜以控制膜結垢和生物污染 Preparation of graphene oxide membrane embedded with controlled-release scale inhibitor nanomaterials to control membrane scaling and biofouling
20	0035/2022/A1	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	竺曉鳴 Zhu, Xiaoming	基於肝癌微環境的新型化療栓塞劑的設計與開發 Development of a new transcatheter arterial chemoembolization agent targeting the microenvironment for hepatocellular carcinoma therapy
21	0040/2022/A1	澳門大學 Universidade de Macau	孫國星 Sun, Guoxing	超細納米粒子改性耐鹽鹼吸水樹脂應用於混凝土內養護體系 Design of ultrafine nanoparticle modified salt-alkali-resistant water-absorbent polymer applied in concrete internal curing system
22	0041/2022/A1	澳門大學 Universidade de Macau	黃沫 Huang, Mo	高變比，多相位，自動均流，寬電流範圍的DC-DC轉換器 DC-DC Converter with High Conversion-Ratio, Multi-phase, Automatic Inductor Currents Balance and Wide Output Current Range
23	0044/2022/A1	澳門理工大學 Universidade Politécnica de Macau	吳冠祺 Ng, Koon Kei Benjamin	面向 B5G 密集環境的安全和節能物理層技術研究 Research on Secure and Energy Efficient Physical Layer Techniques for B5G Dense Environments

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24	0047/2022/A1	澳門大學 Universidade de Macau	楊丁奇 Yang, Dingqi	動態複雜結構知識圖譜上的知識表示學習和推理技術研究及其在城市數字孿生中的應用 Knowledge Representation Learning and Reasoning over Dynamic and Complex Structured Knowledge Graphs and its Applications to Urban Digital Twins
25	0048/2022/A1	澳門大學 Universidade de Macau	狄利俊 Di, Lijun	Trim28核儲留和脂肪酸代謝重置抑制自噬作為乳腺癌轉移風險檢測和乾預靶點的機制和應用研究 Study of the Trim28 nuclear retaining and the switch of fatty acid metabolism in inhibiting the autophagy and increasing the breast cancer metastasis risk in mechanism and application
26	0049/2022/A1	澳門大學 Universidade de Macau	周怡聰 Zhou, Yicong	四元素域遙感圖像拼接技術的研究 Remote Sensing Image Stitching Technologies in Quaternion Domain
27	0050/2022/A1	澳門大學 Universidade de Macau	陳知行 Chan, Chi Hang	用於高性能 SAR ADC 的快速瞬態和電源噪聲穩健的參考電壓管理 Fast Transient and Wideband Supply Noise Robust Reference and Power Management Circuits for High-Performance SAR ADCs
28	0052/2022/A1	澳門大學 Universidade de Macau	萬建波 Wan, Jianbo	三七葉新型葡萄糖苷酶GH-Pn12Glc介導化學防禦的機制研究及植物源農藥開發 Discovery of GH-Pn12Glc-mediated Plant Chemical Defense in Panax notoginseng Leave and Development of Plant-derived pesticides
29	0055/2022/A1	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	蒙梓棋 De Souza Monteiro, Olivia Filomena	選擇性抑制 γ -氨基丁酸(GABA)受體以治療麻藥引起的術後認知缺陷 Selective inhibition of GABAARs on the treatment of postoperative cognitive deficit (POCD) caused by anaesthesia
30	0058/2022/A1	澳門大學 Universidade de Macau	陳強 Chen, Qiang	SIRT6 對NAFLD相關肝細胞癌發生發展的影響及分子機制研究 The role and molecular mechanism of SIRT6 in the development of NAFLD-related hepatocellular carcinoma
31	0003/2022/A	鏡湖醫院慈善會 Associação de Beneficência do Hospital Kiang Wu	洪宇 Hong, Yu	SAP-1聯合HLA-G在子宮內膜癌篩查中的應用研究 Application study of SAP-1 combined with HLA-G in screening of endometrial cancer
32	0005/2022/A	萬利來(集團)有限公司 MAN LEI LAI (GROUP) COMPANY LIMITED	萬浩光 Man, Hou Kong	電外科能量平台產學研項目 Electrosurgical energy platform Industry-University-Research Project
33	0007/2022/A	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	鍾金淑子 Chung, Sookja Kim	醛糖還原酶抑制劑依帕司他治療類風濕關節炎的藥效研究 Efficacy of epalrestat, an aldose reductase inhibitor, in the treatment of rheumatoid arthritis
34	0014/2022/A	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	結合家族信息的Android惡意軟件集成檢測系統 Ensemble Detection System Combining Family Information for Android Malware Detection
35	0016/2022/A	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	王穗東 Wang, Suidong	神經形態憶阻器件及其儲備池計算系統應用 Neuromorphic Memristive Devices and Their Application in Reservoir Computing System

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36	0018/2022/A	逸豐科技有限公司 I & F TECHNOLOGY CO., LTD.	張景桑 Cheong, Keng San	收合式太陽能雙軸跟蹤發電設備 Retractable Solar Dual-Axis Tracking Power Generation Equipment
37	0019/2022/A	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	魏燕富 Wei, Yan Fu	珠江澳門河口沉積物中硫酸鹽還原對鐵結合態磷釋放及其形態轉化的影響機制 Influence mechanisms of sulfate reduction on the release of iron-bound phosphorus and its speciation transformation in the sediments of the Macao estuary of the Pearl River
38	0022/2022/A	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	海水中微塑料老化與抗生素的吸附機理及其復合生物毒性研究 The adsorption mechanism of antibiotics on aging microplastics and their joint-biototoxicity in sea water
39	0024/2022/A	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	于希 Yu, Xi	基於納米封裝技術的植物基肉關鍵風味物質與營養素的穩定負載與熱致控釋 Stable load and thermal controlled release of key flavor substances and nutrients in plant-based meat based on Nano Encapsulation technology
40	0025/2022/A	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	李曉東 Li, Xiao Dong	基於雙向諧振型變換器的固態變壓器的動態控制研究 Research on the dynamic control of a solid-state transformer using a bidirectional resonant converter
41	0026/2022/A	澳門大學 Universidade de Macau	王百鍵 Wong, Pak Kin	基於Transformer的上消化道多病變多任務智能診斷系統 Intelligent Diagnosis System for multiple types of lesions in Upper Gastrointestinal Tract based on Transformer
42	0027/2022/A	澳門城市大學 Fundação da Universidade da Cidade de Macau	楊華杰 Yang, Huajie	粵澳跨境通勤對居民健康及工作效率的影響機制研究 Impact of Cross-border Commuting Between Guangdong and Macao on Employee Health and Productivity
43	0031/2022/A	澳門大學 Universidade de Macau	余亮豪 U, Leong Hou	基於新型圖強化學習的城市智慧交通決策系統研究 A Novel Graph-based Reinforcement Learning for Intelligent Transportation System in Urban Cities
44	0032/2022/A	澳門大學 Universidade de Macau	方正天 Fong, Simon James	基於深度交叉學習的實時胃鏡成像智能化病灶目標檢測系統的研究與實現 A Cross Deep Learning System for Fast Automated Gastric Cancer Diagnosis from Real-time Endoscopic Videos
45	0036/2022/A	澳門城市大學 Fundação da Universidade da Cidade de Macau	王伯勛 Wang, Po Hsun	眼動追蹤環境感知分析以元宇宙構建未來城市體驗滿意度評價－澳門歷史城區優化研究 Based on Eye-Tracking Environmental Perception Analysis Using Metaverse Technology to Build Future City Experience Satisfaction Evaluation - Research on the Optimization of the Historic District of Macau
46	0038/2022/A	澳門城市大學 Fundação da Universidade da Cidade de Macau	應作斌 Ying, Zuobin	面向澳門智慧醫療的康養數據隱私保護模型及關鍵技術研究 Research on the Privacy Protection Model and Key Technologies of Health Care Data for Smart Medical Care in Macau
47	0041/2022/A	澳門大學 Universidade de Macau	伍海燕 Wu, Haiyan	澳門青少年社會認知評估與訓練系統 A social cognition assessment and training system for Macao adolescent

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48	0042/2022/A	澳門大學 Universidade de Macau	蔡偉華 Choi, Wai Wa	應用先進可重構波束及極化可切換天線提昇基於機器學習的反向散射信號識別 Application of Advanced Reconfigurable Beam and Polarization Switchable Antennas to Improve Machine Learning-Based Backscatter Signal Recognition
49	0045/2022/A	澳門理工大學 Universidade Politécnica de Macau	袁小晨 Yuan, Xiaochen	對數字圖像安全及取證技術的研究 Research on Security and Forensics for Digital Images
50	0047/2022/A	澳門大學 Universidade de Macau	張子康 Cheong, Pedro	基於並發雙頻數字預失真技術的集成收發射頻前端研究 Research of Integrated transceiver RF front-end based on concurrent dual-band digital predistortion technology
51	0048/2022/A	澳門大學 Universidade de Macau	李俊樂 Lei, Chon Lok	虛擬膜片鉗：網路應用程式模擬膜片鉗實驗以用於破譯實驗不確定性 Virtual Patch Clamp: A Web Application to Simulate Patch-Clamp Experiments for Deciphering Experimental Uncertainty
52	0049/2022/A	澳門大學 Universidade de Macau	沈仲燮 Shim, Joong Sup	靶向DNA甲基轉移酶(DNMT) 治療VHL缺失的腎細胞癌 Targeting DNA methyltransferases (DNMT) in von-Hippel Lindau (VHL)-deficient renal cell carcinoma
53	0063/2022/A2	澳門大學 Universidade de Macau	梁麗嫻 Leung, Lai Han	腸道微生物介導神經遞質信號通路促進腫瘤免疫調節的作用及機理研究 Investigation of the role and mechanism of gut microbial-mediated neurotransmitter signaling on cancer immunomodulation
54	0064/2022/A2	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	祝夢華 Zhu, Menghua	太陽系類地行星後期增生過程研究 Late Accretion of Terrestrial Planets in the Solar System
55	0065/2022/A2	澳門大學 Universidade de Macau	徐曉玲 Xu, Xiaoling	BRCA1-Spp1-S100a9信號通路在惡性上皮細胞,腐敗的骨髓細胞及T細胞之間的作用 The role of the BRCA1-Spp1-S100a9 signaling pathway in malignant epithelial cells, corrupted myeloid cells, and T cells
56	0067/2022/A2	澳門大學 Universidade de Macau	陳斌猛 Chen, Binmeng	納米封裝相變材料(PCMs)的製備及其在基礎設施中的應用 Fabrication of Nano-encapsulated Phase Change Materials (PCMs) and their application in the infrastructures
57	0070/2022/A2	澳門大學 Universidade de Macau	陳修平 Chen, Xiuping	隱丹參酮協同NQO1生物激活藥物抗腫瘤分子機制與新藥研發 Mechanistic and translational study on the synergistic activity of cryptotanshinone combined with NQO1 bioactivatable drugs in cancer
58	0071/2022/A2	澳門大學 Universidade de Macau	徐仁和 Xu, Renhe	P53丟失在拮抗天然免疫而形成腫瘤中的作用 Role of P53 loss in neoplastic transformation against innate immunity
59	0073/2022/A2	澳門大學 Universidade de Macau	李剛 Li, Gang	識別新型 AMPK 底物：克服對 BET 抑制劑的耐藥性 Identifying novel AMPK substrates: Overcoming the resistance to BET bromodomain inhibitors
60	0074/2022/A2	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	侯盼盼 Hou, Panpan	KCNQ1鉀通道高危心臟病突變體的致病機理及中藥創新治療方案研究 Investigating the molecular mechanism of KCNQ1 mutants-induced high-risk heart disease and developing new therapeutics from Traditional Chinese Medicine

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61	0076/2022/A2	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	趙慶林 Zhao, Qinglin	利用底層信息的區塊分片並行傳播機制研究 Exploiting Underlying Network Information for Parallel Dissemination of Block Segments
62	0081/2022/A2	澳門大學 Universidade de Macau	須成忠 Xu, Chengzhong	智能網聯汽車仿真模擬測試關鍵技術研究 Research on Key Simulation and Testing Technologies for Connected Intelligent Driving Vehicles
63	0082/2022/A2	澳門大學 Universidade de Macau	陳石 Chen, Shi	高性能鈣鈦礦器件的下界面調控與原位表征 In-situ investigation and engineering of bottom interface for high performance perovskite devices
64	0086/2022/A2	澳門大學 Universidade de Macau	王瑞兵 Wang, Ruibing	胞內納米藥物自組裝構建超分子巨噬細胞馬達用於急性肺炎 的靶向治療研究 Macrophage motor with intracellular self-assembly of nanomedicine for targeted treatment of acute pneumonia
65	0087/2022/A2	澳門大學 Universidade de Macau	陳強 Chen, Qiang	新型線粒體自噬調控分子的鑒定及相關機制的研究 Identification of novel mitophagy regulators and study of the related molecular mechanisms
66	0090/2022/A2	澳門大學 Universidade de Macau	羅力 Luo, Li	求解非線性方程組的高度並行預處理非精確牛頓法 Highly parallel preconditioned inexact Newton methods for nonlinear system of equations
67	0091/2022/A2	澳門理工大學 Universidade Politécnica de Macau	劉煥香 Liu, Huanxiang	基於深度分子生成及多種藥物設計策略的新型LRRK2抑制劑 的設計、合成及抗帕金森氏病活性評價 Design, Synthesis and anti-Parkinson Activity Evaluation of the Novel LRRK2 Inhibitors Based on Deep Molecular Generation and Multiple Drug Design Strategies.
68	0092/2022/A2	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	曾凡一 Zeng, Fanyi	益母草鹼對非酒精性脂肪肝(NASH)與肝纖維化的改善作用 及機制研究 The improvement effect and mechanism of Leonurine on nonalcoholic steatohepatitis (NASH) and liver fibrosis
69	0093/2022/A2	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	馮麗 Feng, Li	面向交替優化的具有隱私保護的聯邦學習框架研究與應用 Research and Application of a Privacy-preserving Federated Learning Framework for Alternating Optimization
70	0094/2022/A2	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	魏燕富 Wei, Yan Fu	納米管狀埃洛石擔載雙金屬- 固體鹼非臨氫協同催化餐廚廢油脂製備綠色柴油的關鍵技術 研究 Research on key techniques for bimetal-solid alkali loaded nanotubular halloysite synergistic catalysis for turning waste cooking oil into green diesel without using external hydrogen
71	0097/2022/A2	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	譚廣亨 Tam, Kwong Hang	UNC5C netrin受體在腸神經系統發育和引致先天性巨結腸的分子機制 Molecular mechanisms of UNC5C netrin receptor in the development of enteric nervous system and pathogenesis of Hirschsprung disease
72	0098/2022/A2	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	徐曉軍 Xu, Xiaojun	火星空間環境中的磁場重聯研究 Magnetic reconnection in the Martian space environment

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73	0099/2022/A2	澳門大學 Universidade de Macau	黃冠豪 Wong, Koon Ho	對具藥用價值的真菌次級代謝物之產量提升方法的研究 Enhancing the production yield of fungal secondary metabolites with pharmaceutical properties
74	0102/2022/A2	澳門大學 Universidade de Macau	徐青松 Xu, Qingsong	磁驅動變剛度軟體導管機器人系統的設計與研製 Design and Development of a Magnetically Actuated Soft Catheter Robot with Variable Stiffness
75	0104/2022/A2	澳門大學 Universidade de Macau	鄭文華 Zheng, Wenhua	青蒿素基於pink1/parkin通路介導線粒體自噬在缺血性腦卒中的作用及其機制研究 The role and mechanism of artemisinin-mediated mitophagy in ischemic stroke based on pink1/parkin pathway
76	0105/2022/A2	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	馬文哲 Ma, Wenzhe	7-氮雜吡啶衍生物DA-5誘導細胞鐵死亡抗三陰性乳腺癌 7-azaindole derivative DA-5 induces ferroptosis in triple-negative breast cancer
77	0111/2022/A2	澳門大學 Universidade de Macau	潘暉 Pan, Hui	金屬合金在二氧化碳電催化中的應用 Metal alloys for the electrochemical reduction of carbon dioxide
78	0054/2022/A	鏡湖醫院慈善會 Associação de Beneficência do Hospital Kiang Wu	韓毅冰 Han, Yibing	優化MenSCs體外培養的研究 Optimization of the in vitro culture of MenSCs
79	0055/2022/A	鏡湖醫院慈善會 Associação de Beneficência do Hospital Kiang Wu	申堅 Shen, Jian	定痛膏治療急性踝扭傷的臨床療效觀察 Clinical observation of Dingtong ointment in the treatment of acute ankle sprain
80	0057/2022/A	澳門城市大學 Fundação da Universidade da Cidade de Macau	謝俊民 Hsieh, Chunming	氣候適應健康城市規劃與設計研究 Planning and Design of Climate Adaptive Healthy Cities
81	0061/2022/A	澳門大學 Universidade de Macau	曾華鑫 Chang, Wa Kam	人體血液中促衰老因子的鑒定及機制研究 Identification and mechanistic characterization of pro-aging factors in human blood
82	0064/2022/A	澳門大學 Universidade de Macau	錢光升 Qian, Guangsheng	以高價值資源回收為導向的泥-藻共生顆粒污水處理體系：機理解析與調控機制 Conceptual and process validation of the bacteria-algae symbiotic granular sewage treatment system toward efficient treatment and high-value resource recovery
83	0067/2022/A	澳門城市大學 Fundação da Universidade da Cidade de Macau	周龍 Zhou, Long	基於城市科學系統理論的琴澳空間格局與生態服務價值協同優化研究 Research on the Hengqin-Macao Urban Spatial Structure and Ecosystem Service Collaborative Optimization based on the Systems Theory of Urban Science
84	0068/2022/A	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	馮敏強 Fung, Man Keung	基於有機/鈣鈦礦雜化結構的高效白光LED研究 High-Efficiency Hybrid White Organic/Perovskite Light Emitting Diodes
85	0070/2022/A	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	劉晶 Liu, Jing	缺氧環境中鐵與錳的耦合氧化還原循環及形態演化 The coupled redox cycling and speciation of Fe and Mn under anaerobic condition

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86	0071/2022/A	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	李楠楠 Li, Nannan	因果關係建模在視頻表徵學習中的應用 The Study of Causality Modeling in Video Representation Learning
87	0074/2022/A	澳門大學 Universidade de Macau	黃志文 Vong, Chi Man	大型複雜場景的低成本高精度3D SLAM關鍵技術 Key Technologies of Low-cost and high-precision 3D SLAM in Large Scale Scenario
88	0075/2022/A	澳門大學 Universidade de Macau	趙靜 Zhao, Jing	降酸茶萃對志願人群降尿酸效果評價 Evaluation of hypouric effect of a patent edible herbal tea extract on hyperuric acid volunteers
89	0082/2022/A	澳門大學 Universidade de Macau	陳平 Chen, Ping	基於類器官模型研究乳腺癌化療耐藥的分子機制及其逆轉方 案 Study on the molecular mechanism of chemoresistance in breast cancer and its reversal treatment based on organoid model
90	0083/2022/A	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	梁之遙 Liang, Zhiyao	基於區塊鏈的可監督動態自主身份生成與隱私保護技術研究 Research on supervised dynamic Self-Sovereign Identity generation and privacy protection technology based on blockchain
91	0084/2022/A	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	肖玄玄 Xiao, Xuanxuan	隱私計算密碼關鍵技術研究 Research on significant cryptographic techniques for private computation
92	0085/2022/A	澳門大學 Universidade de Macau	吳曉偉 Wu, Xiaowei	不可分割工作的公平分配算法研究 Approximately Fair Allocations for Indivisible Chores
93	0086/2022/A	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	陳嚴 Chen, Yan	膽道閉鎖CD177+細胞激活導致膽管損傷機制及N- 乙酰半胱氨酸治療作用的研究 Mechanism study of biliary duct damage by activation of CD177+ cells and the therapeutic effect of N-acetylcysteine in biliary atresia
94	0088/2022/A	澳門大學 Universidade de Macau	郭偉明 Quach, Wai Meng	電弧增材製造不銹鋼構件之建造工藝、力學特性及結構性能 Fabrication, Mechanical Properties and Structural Performance of Wire and Arc Additive Manufactured Stainless Steel Structural Members
95	0089/2022/A	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	超聲內鏡對上消化道黏膜下腫物病變的多模態診斷關鍵技術 研究 The Key Technologies for Multimodal Diagnosis of Submucosal Tumor in Upper Gastrointestinal Tract Using Endoscopic Ultrasound
96	0090/2022/A	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	鍾惟德 Zhong, Weide	基於前列腺癌代謝重編程的多功能納米遞送體系的構建與應 用研究 Preparation and mechanism of multifunctional nanodelivery platform based on tumor metabolic reprogramming for prostate cancer

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97	0092/2022/A	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	周勇 Zhou, Yong	時間分數階波動方程解的適定性與正則性研究 Research on Well-posedness and Regularity of Solutions for Time Fractional Wave Equations
98	0096/2022/A	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	盧曉平 Lu, Xiaoping	基於深度學習的行星遙感影像超分辨率增強技術 Deep Learning based Super-Resolution Enhancement for Planetary Remote Sensing Images
99	0100/2022/A	澳門大學 Universidade de Macau	郭銘強 Guo, Mingqiang	面向Wi-Fi7 採用交叉耦合技術的時鐘交織噪聲整形流水線模數轉換器的 探索與驗證 Exploration and Verification of Time-Interleaved Noise-Shaping Pipeline Analog-to-Digital Converter (ADC) with Cross-Coupling Technique for Wi-Fi 7
100	0101/2022/A	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	尹力 Yin, Li	電梯故障診斷與健康管理 Fault Diagnosis and Health Management of Elevator System