

一般科研資助
2020年度獲批項目
Financiamento para Geral Investigação em 2020

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	0028/2019/A	澳門理工學院 Instituto Politécnico de Macau	吳冠祺 Ng, Koon Kei Benjamin	下一代無線通信系統中Polar編碼的設計和優化 Design and optimization of Polar codes for next generation wireless communication systems
2	0029/2019/A	澳門醫學科技研究協會	譚文成 Tam, Man Seng	BRD4 表觀調控 TXNIP 的表達參與骨關節炎軟骨退變的機制研究 BRD4 epigenetically regulates TXNIP expression and is involved in the cartilage degeneration of osteoarthritis
3	0031/2019/A	澳創藥業有限公司 Azulceu Medicina Limitada	鄧炳坤 Tang, Peng Kuan	新型藥物基團酮磷酸在非酒精性肝炎藥物開發拓展和開發 Novel pharmaceuticals of ketophosphonic acids in NASH drug development
4	0004/2020/A	澳門大學 Universidade de Macau	曹俊傑 Chou, Chon Kit	探討去泛素化酶 USP15 與剪接因子的交互作用在 pre-mRNA 剪接過程上的意義及其誘導肺癌細胞惡性轉化的可能性 Investigating the regulatory roles of deubiquitinase USP15 in pre-mRNA splicing and their relationship with lung cancer progression
5	0007/2020/A	澳門大學 Universidade de Macau	王瑞兵 Wang, Ruibing	抗NCP病毒藥物的超分子配方篩選以及主客體分子協同抗病毒作用的研究 - 抗疫 Supramolecular formulation of antiviral drugs and host/guest synergistic actions against NCP virus - Anti-NCP epidemic
6	0008/2020/A	澳門大學 Universidade de Macau	徐青松 Xu, Qingsong	醫護抗疫智能機器人研發（抗疫） Development of intelligent robot for anti-epidemic medical healthcare (Anti-NCP epidemic)
7	0012/2020/A	集中地多媒體有限公司 HABITAT MULTIMEDIA CO. LTD.	羅啟俊 Lo, Kai Chon	新型冠狀病毒車輛防疫檢測設備 Novel coronavirus vehicle epidemic prevention detection equipment
8	0016/2020/A	澳門大學 Universidade de Macau	梁重恒 Leung, Chung Hang	基於非RT-PCR技術的冠狀病毒熒光檢測方法_抗疫 A non-RT-PCR-based luminescent assay for the detection of coronavirus _Anti-NCP epidemic
9	0017/2020/A	澳門大學 Universidade de Macau	燕茹 Yan, Ru	新型冠狀病毒感染的非侵入性代謝組學診斷技術研究（抗 疫） Study on diagnosis of new coronavirus infection using non-invasive metabolomics (Anti-NCP epidemic)
10	0018/2020/A	澳門大學 Universidade de Macau	麥沛然 Mak Pui In	快速冠狀病毒檢測數位微流控芯片（抗疫） Digital Microfluidic chip for fast Coronavirus detection (Anti-NCP epidemic)
11	0022/2020/A	澳門大學 Universidade de Macau	余永逸 Yu, Wing Yat	在疫症危機中的公眾信任鞏固與情緒管理: 評估澳門特區政府對抗冠狀病毒的決策方式（“Anti-NCP epidemic 抗疫”）Public trust building and emotion management during Pandemic: An evaluation of MSAR’s Anti-NCP Epidemic measures（“Anti-NCP epidemic”）
12	0030/2020/A	澳門大學 Universidade de Macau	沈仲燮 Shim, Joong Sup	藥物再利用加速抗新型冠狀病毒（SARS-CoV-2）藥物的發現與開發_Anti-NCP epidemic 抗疫 Drug repurposing approach for the rapid discovery of therapeutics for SARS-CoV-2 infection _Anti-NCP epidemic
13	0031/2020/A	澳創藥業有限公司 AZULCEU MEDICINA LIMITADA	鄧炳初 Tang, Peng Cho	抑制血管緊張素轉化酶2（ACE2）表達防控新型冠狀病毒（SARS-CoV-2）感染的藥物篩選開發 Screening and development of inhibitors of ACE2 expression to suppress infection of SARS-CoV-2
14	0033/2020/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	姜志宏 Jiang, Zhihong	抗新冠病毒特效藥瑞德西韋的化學合成及結構修飾 Synthesis and structural modification of remdesivir specific for treating Novel Coronavirus Pneumonia

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15	0035/2020/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	張康 Zhang, Kang	基於人工智慧的新型冠狀病毒2019-nCoV感染的診斷核心關鍵技術 Key techniques for diagnosing new coronavirus 2019-ncov infection based on artificial intelligence
16	0038/2020/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	蔡占川 Cai, Zhanchuan	新冠肺炎CT影像的快速檢測與識別技術研究 Research on rapid detection and recognition technologies of COVID-19 CT images
17	0039/2020/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	馬文哲 Ma, Wenzhe	新型冠狀病毒床旁即時核酸診斷試劑的研發及應用 Development and application of COVID-19 virus point-of-care testing reagent
18	0040/2020/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	謝瑩 Xie, Ying	沙參麥冬湯促進新冠肺炎患者康復研究 Study on the effects of Shashen-maidong decoction for the recovery of covid-19 infected pneumonia patients
19	0042/2020/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	楊子峰 Yang, Zifeng	基于宏轉錄組學的新型冠狀病毒病例全感染組特徵及其重症預警的應用研究 A meta-transcriptomic based characterization of 2019-nCoV infections and its application to identify and prevent sever case pneumonia
20	0049/2020/A	澳門先進科技有限公司 MACAO ADVANCE TECHNOLOGY COMPANY LTD.	黃浩然 Huang, Haojan	超長續航防拆卸智能定位手環與定位監控系統 An anti-detachable smart positioning wristband with ultra-long battery life and its positioning monitoring system
21	0052/2020/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	朱依諄 Zhu, Yi Zhun	硫化氫在冠狀肺炎及其抗炎和免疫調節研究 Effect of H2S on anti-inflammation and immune-regulation in pneumonia caused by corona-virus
22	0053/2020/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	周華 Zhou, Hua	抗2019新型冠狀病毒空氣及物體表面中藥消毒劑研製 Research and development of air and surface disinfection product for 2019-nCoV from chinese medicines
23	0055/2020/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	姚小軍 Yao, Xiaojun	靶向新型冠狀病毒3CL蛋白酶抑制劑的發現和活性評價 Discovery of new small molecule inhibitors targeting 3CL protease of novel coronavirus and its activity evaluation

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24	0057/2020/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	劉良 Liu, Liang	抗新型冠狀病毒中藥活性成分的發現 Discovery of the potentials of active compounds derived from Chinese herbal medicine for anti-COVID-19 virus
25	0058/2020/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	李婷 Li, Ting	基于Spike/ACE2互作界面探索2019-nCoV治疗策略 Study on the therapeutic strategies to suppress 2019-nCoV via targeting the interaction between Spike and ACE2
26	0059/2020/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	潘胡丹 Pan, Hudan	創新中藥治療新型冠狀病毒肺炎併發炎症因子風暴和肺纖維化研究 Study on the treatment of covid-19 infected pneumonia patients with cytokines storm and pulmonary fibrosis by innovative drugs derived from Chinese herbal medicine
27	0062/2020/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	宋慶彬 Song, Qingbin	新型冠狀病毒肺炎疫情下澳門醫療廢物全過程管理和風險控制機制研究 The whole process management and risk control mechanism of medical waste under new coronavirus pneumonia epidemic in Macau
28	0064/2020/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	白麗萍 Bai, Li Ping	抗新型冠狀病毒肺炎的特效中藥的研發 Research and development of specially-effective chinese medicines against Novel Coronavirus Pneumonia
29	0066/2020/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	王靜蓉 Wang, Jingrong	基於有效部位組合的中藥抗病毒鼻腔保護劑研究 Research on the antiviral nasal agent based on the combination of effective fractions of traditional chinese medicines
30	0073/2020/A	澳門納金科技有限公司 Macau Nanometals Technology Co., Ltd	雷震 Lei, Zhen	納米銀抗菌消毒漿料和薄膜的制備及產業化 Preparation and industrialization of antibacterial disinfection slurry and film based on nano silver
31	0083/2020/A	傳感博士科技投資發展有限公司 Dr. Sensor Technology Investment And Development Company Limited	陳躬斌 Chan, Kong Pan	橋樑鋼箱梁疲勞裂紋監測 Monitoring of fatigue cracks in steel box girder of bridge
32	0084/2020/A	明醫中心有限公司 Meng Yi Centre Limited	楊俊文 Ieong, Chon Man	基於廣義非線性模型的計算機的計算機視覺分析在肺結節CT診斷中的應用 Application of computer vision analysis based on generalized nonlinear model in CT diagnosis of pulmonary nodules

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33	0087/2020/A	澳門科技大學基金會-澳門科技大學 Fundação Universidade de Ci�ncia e Tecnologia de Macau – Universidade de Ci�ncia e Tecnologia de Macau	Cochi, Paolo Saul	臭氧類化合物克服耐藥性癌細胞的機理研究 Investigation of Ozonide analogs for overcoming drug resistance in cancer and study of their mechanism of action
34	0089/2020/A	中交三航院澳門有限公司 CCCC third harbour consultants Macau Company Limited	辛憲濤 Xin, Xiantao	澳門歷史填海適宜性評估及海洋水沙環境變化探究 A study on the suitability assessment of Macao's historical reclamation and the change of marine water and sediment environment
35	0090/2020/A	澳門科技大學基金會-澳門科技大學 Fundação Universidade de Ci�ncia e Tecnologia de Macau – Universidade de Ci�ncia e Tecnologia de Macau	吳昀昭 Wu, Yunzhao	嫦娥四號巡視探測光學資料處理、分析與應用 Processing, analysis, and application of Chang' E-4 in situ optical data
36	0096/2020/A	澳門科技大學基金會-澳門科技大學 Fundação Universidade de Ci�ncia e Tecnologia de Macau – Universidade de Ci�ncia e Tecnologia de Macau	Cochi, Paolo Saul	1,2,3-三唑類抗瘧衍生物的合成及其對新型冠狀病毒肺炎（ NCP, Covid-19）的潛活性 Synthesis of novel 1,2,3-triazole based antimalarial derivatives for their potential activity against Novel Coronavirus Pneumonia (NCP, Covid-19)
37	0098/2020/A	澳門大學 Universidade de Macau	陳肖家 Chen, Xiaojia	高碳水化合物膳食對多酚生物利用度的影響及其作用機制研究 Influence of high-carbohydrate diets on the bioavailability of dietary polyphenols and its mechanism
38	0105/2020/A	萬利來(集團)有限公司 MAN LEI LAI (GROUP) COMPANY LIMITED	萬浩光 Man, Hou Kong	手術循環排煙系統高新科技研究項目 High-tech project: smart smoke evacuator
39	0106/2020/A	澳門大學 Universidade de Macau	黃冠豪 Wong, Koon Ho	篩選具藥用價值的真菌次級代謝物 A bioactivity screen for fungal secondary metabolites with useful pharmaceutical properties
40	0107/2020/A	澳門大學 Universidade de Macau	沈仲燮 Shim, Joong Sup	溴結構域和額外終端域家族分子(BET)可作為SMAD4缺失的 結直腸癌精準治療靶點 Bromodomain and Extraterminal motif (BET) as a precision cancer target for SMAD4-deficient colorectal cancer
41	0108/2020/A	澳門大學 Universidade de Macau	武慶慶 Wu, Qingqing	智能反射面輔助的新型毫米波無線通信系統性能分析與優化 Performance analysis and optimization of intelligent reflecting surface assisted mmWave communications
42	0115/2019/A3	鏡湖醫院慈善會 Associa�o de Benefic�ncia do Hospital Kiang Wu	蔡嘉慧 Choi, Ka Wai	澳門健康妊娠婦女在孕早、中、晚期甲狀腺激素水平的參考 值的研究 Trimester-specific reference interval for thyroid hormones during pregnancy in Macau
43	0117/2019/A3	鏡湖醫院慈善會 Associa�o de Benefic�ncia do Hospital Kiang Wu	鍾桃娟 Chong, Tou Kun	中國 Takotsubo 綜合征優化診斷與治療註冊研究 Chinese takotsubo syndrome registry: optimization of diagnosis criteria and treatment strategy
44	0119/2019/A3	澳創藥業有限公司 Azulceu Medicina Limitada	鄧炳初 Tang, Peng Cho	膦甲酸化學骨架仲醇前藥的藥物化學拓展 Medicinal chemistry diversities of phosphonyl formic acid chemical scaffolds with secondary alcohol in prodrug development
45	0123/2019/A3	澳門大學 Universidade de Macau	陳國凱 Chen, Guokai	脂類基質調節人類多能幹細胞代謝和多能性的分子機制 The molecular mechanism of lipid substrates in metabolism and pluripotency of human pluripotent stem cells

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46	0124/2019/A3	澳門大學 Universidade de Macau	陳美婉 Chen, Meiwán	搭載可重構腫瘤微環境三萜類中藥活性成分的“納米航母”實現腦膠質瘤的聯合治療 Nanoscale “Aircraft carrier” carrying tumor microenvironment-remodeling triterpenoids from Chinese medicine for combination therapy of glioma
47	0127/2019/A3	澳門大學 Universidade de Macau	鄭文華 Zheng, Wenhua	青蒿素及其衍生物對神經細胞免于急性缺血性損傷的保護作用及分子機制研究 Protective effect and molecular mechanism of artemisinin and its derivatives on acute ischemic injury of nerve cells
48	0128/2019/A3	澳門大學 Universidade de Macau	路嘉宏 Lu, Jiahong	選擇性自噬與神經退行性疾病:從分子機制探討到中藥小分子選擇性自噬調控劑的發 Selective autophagy and neurodegenerative diseases: from molecular mechanism exploration to discovery of TCM-derived small molecule selective autophagy modulators
49	0129/2019/A3	澳門大學 Universidade de Macau	陸金健 Lu, Jinjian	CD47免疫檢查點共抑制因子及其天然產物抑制劑研究 Identification of co-suppressors and naturally-derived small molecule inhibitors of CD47 immune checkpoint
50	0130/2019/A3	澳門大學 Universidade de Macau	殷灝 Ian, Hou	孤立子微波脈衝對超導量子比特的測量與操縱 Measurement and manipulation of superconducting qubits through solitary microwave pulse
51	0132/2019/A3	澳門大學 Universidade de Macau	葛偉 Ge, Wei	環境污染物雙酚 A 影響內耳發育以及聽覺失調的作用機制 Potential impacts of environmental pollutant bisphenol A (BPA) on inner ear development and hearing disorders How does it work?
52	0137/2019/A3	澳門大學 Universidade de Macau	張洪財 Zhang, Hongcai	智慧園區綜合能源系統運行優化關鍵技術研究 Strategic operation and optimization of integrated energy systems in smart city
53	0141/2019/A3	澳門大學 Universidade de Macau	張平 Zhang, Ping	使用聚合物阻垢劑以及阻垢劑納米材料用於無機鹽水垢控制的機理分析 Utilization and mechanistic understanding of polymeric inhibitors and inhibitor nanomaterials for mineral scale control
54	0144/2019/A3	澳門大學 Universidade de Macau	潘少恆 Pun, Sio Hang	應用於高端腦神經研究的實時閉環光基因遺傳法腦神經控制系統的集成設計 An integrated design for real-time closed loop optogenetic neural control (CLONC) system for advanced neuroscience applications
55	0145/2019/A3	澳門大學 Universidade de Macau	黃沫 Huang, Mo	應用於多核 CPU 的電源管理系統研究 Research on power management system for multi-core CPU
56	0146/2019/A3	澳門大學 Universidade de Macau	卡洛斯西尔维斯特 Silvestre Carlos	ORVIS-用於淺水介入的海洋航行器 ORVIS - Ocean robotic vehicles for intervention in shallow waters
57	0147/2019/A3	澳門大學 Universidade de Macau	李鵬 Li, Peng	基於熒光納米銅簇/金屬有機框架納米酶復合傳感體系的構建及其在有機磷農藥殘留快速檢測的應用 Construction of composite sensing system based on fluorescent copper nanocluster and metal-organic frameworks nanozyme and the application in fast detection of organophosphorus pesticides
58	0153/2019/A3	澳門大學 Universidade de Macau	徐青松 Xu, Qingsong	面向斑馬魚幼蟲自動化顯微注射的新型機器人系統研發 Development of a new robotic system for automated microinjection of Zebrafish Larvae
59	0154/2019/A3	澳門大學 Universidade de Macau	潘暉 Pan, Hui	過度金屬氮化物/碳化物在電催化中的應用 Transition-metal nitrides/carbides for electrocatalysis

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60	0156/2019/A3	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	木星振動及其激發機制研究 On the study of Jovian oscillation and its excitation mechanism
61	0157/2019/A3	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	羅培 Luo, Pei	小分子串聯親和技術靶向獲取天然別構劑治療冠心病的研究 Research of natural allosteric modulators for coronary heart disease treatment based on a novel tandem affinity screening strategy
62	0158/2019/A3	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	梁勇 Liang, Yong	基於生物多組學大數據分析的加權映射深度學習方法診斷複雜疾病亞型研究 Analysis of multi-omics big data based on weighted mapping deep learning methods for diagnosis of complex disease subtypes
63	0159/2019/A3	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	馬義兵 Ma, Yibing	土壤中鉻的有效形態、植物毒性及其預測模型研究 The available forms, phytotoxicity and predictive models of chromium in soil
64	0162/2019/A3	澳門大學 Universidade de Macau	吳遠 Wu, Yuan	基於非正交傳輸的多址接入邊緣計算資源優化管理關鍵技術研究 Optimal design and resource management for non-orthogonal multiple access enabled multi-access mobile edge computing systems
65	0163/2019/A3	澳門大學 Universidade de Macau	蔡永青 Cai, Yongqing	層狀過渡金屬硫族化合物的納米電子學及原子尺度下的機理與改性 Atomic-scale mechanisms and efficient modulation of layered transition metal Chalcogenides for nanoelectronics
66	0168/2019/A3	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	組織蛋白酶 B 抑制劑用作蛋白酶體抑制劑增敏劑的研究 Cathepsin B inhibitors for chemosensitization of proteasome inhibitors
67	0172/2019/A3	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	楊子峰 Yang, Zifeng	基於細胞膜固相垂直技術探討六神丸調節 SM-Cer/Sph-S1P 代謝通路抑制流感病毒性炎症的藥效成分及作用機制 To investigate the mechanism of the inhibition of influenza virus and inflammation induced by virus via regulating SM-Cer/Sph-S1P pathway by Liusheng Wan and its active ingredients based on membrane solid phase chromatography
68	0004/2020/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	梁延研 Liang, Yan Yan	增強現實中的關鍵技術研究 Key technologies for augmented reality

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69	0005/2020/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	Fernandez Remolar David Carlos	地球古老蒸發巖中生物標志物的多學科研究，及其對尋找火星原始生命的分子證據的啟示 Multidisciplinary search for biosignatures in ancient earthly evaporites as a proxy to find molecular evidence of primitive life on Mars
70	0007/2020/A1	澳門大學 Universidade de Macau	梁重恒 Leung, Chung Hang	基於高效的DNA修復酶調節篩選技術探究新型疾病治療策略 A robust photoluminescence screening method for identifying DNA repair enzyme modulators for disease treatment
71	0009/2020/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	梁應啟 Liang, Yingchang	基於大規模智能反射表面的綠色物聯網系統設計與資源分配優化理論研究 Design, resource allocation and optimization for large intelligent surfaces-assisted green internet of thing
72	0010/2020/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	潘胡丹 Pan, Hudan	中醫“病-證-方”結合診治類風濕關節炎寒濕痺阻證的臨床與基礎研究 Clinical and basic research on the diagnosis and treatment of cold-dampness syndrome in rheumatoid arthritis by TCM "disease - syndrome formula" combination approach
73	0011/2020/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	曾凡一 Zeng, Fanyi	益母草鹼對血液粘滯度、血小板粘附和炎症的改善作用以及分子機制的研究 Effects and molecular mechanisms of Leonurine on reducing blood viscosity, thrombocyte adhesion and inflammation
74	0016/2020/A1	澳門大學 Universidade de Macau	李子安 Lee, Tsz On	利用蛋白質組和代謝分析揭示脂肪酸代謝重編和蛋白質肉豆蔻醯化在高度轉移性卵巢癌細胞中的作用 Proteomic and metabolic analyses reveal the role of fatty acid metabolic reprogramming and protein myristoylation in highly metastatic ovarian cancer cells
75	0017/2020/A1	澳門大學 Universidade de Macau	顏王吉 Yan, Wangji	複雜運營環境下橋樑結構時變隨機動力特性識別演算法及其長期演化機制研究 Bayesian time-varying approach for modal identification and long-term evolution analysis for bridges subject to complex operational environments
76	0019/2020/A1	澳門大學 Universidade de Macau	黎永杰 Li, Yongjie	硝基酚類化合物在大氣水相光解中人源及海洋氣溶膠無機鹽的影響 Effects of anthropogenic and marine aerosol inorganic salts on the aqueous-phase photolysis of atmospheric nitro-phenolic compounds
77	0022/2020/A1	澳門大學 Universidade de Macau	劉景榮 Lao, Keng Weng	基於數字孿生概念的智慧能源物聯網信息物理系統自動化防護技術研究 Research on automated protection technologies for smart energy internet of things cyber-physical system based on digital twin concept

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78	0024/2020/A1	澳門大學 Universidade de Macau	何承偉 He, Chengwei	白頭翁皂苷類化合物通過抑制自噬增強化療藥抗癌作用及其分子機制研究 Pulchrenosides synergistically enhance anticancer activity of chemotherapeutic agents through inhibiting autophagy and the molecular mechanisms
79	0025/2020/A1	聖若瑟大學 University of Saint Joseph	Flores Gonçalves, David Manuel	魚類壓力-反映於魚類壓力的成因與後果:環境因素和跨代適應 FISHSTRESS - Causes and consequences of the stress response in fish: environmental factors and transgenerational adaptation
80	0026/2020/A1	聖若瑟大學 University of Saint Joseph	Estadieu Gerald Vincent	基於人工智能的澳門聲音景觀多模式定性地圖 AI based multi-modal qualitative mapping of Macau soundscape
81	0028/2020/A1	澳門大學 Universidade de Macau	林智聲 Lam, Chi Seng	電動汽車動態無線供電系統關鍵控制技術研究 Research on key control technologies of dynamic wireless power transfer system for electric vehicles
82	0030/2020/A1	澳門大學 Universidade de Macau	高亮 Gao, Liang	暴雨與風暴潮引發城市洪水災害模擬及在澳門的應用研究 Numerical modelling of typhoon-induced storm surges and floods in Macau
83	0033/2020/A1	澳門大學 Universidade de Macau	舒連杰 Shu, Lianjie	一階段穩健高維均值向量控制圖設計 A robust control chart for phase I monitoring of high-dimensional mean vectors
84	0036/2020/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	馬文哲 Ma, Wenzhe	他汀類藥物預防 Li-Fraumeni 綜合症腫瘤生成的作用與機制研究 The role and mechanism of action of statins in cancer prevention of Li-Fraumeni syndrome
85	0037/2020/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	馮麗 Feng, Li	跨協議通信中冗餘信道高效利用研究 High-efficient exploitation of redundant channels in cross-technology communication
86	0038/2020/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	田小林 Tian, Xiaolin	基於遙感數據的月球火星地表特徵識別和對比分析 Identification and comparative analysis of Lunar and Martian surface features based on remote sensing data
87	0043/2020/A1	澳門大學 Universidade de Macau	李家明 Lei, Ka Meng	應用於獵能物聯網裝置之超低電壓單石英晶體多時脈訊號系統 Ultra-low-voltage (sub-0.5V) single-crystal-multi-clock reference system for energy-harvesting IoT devices
88	0044/2020/A1	澳門大學 Universidade de Macau	邢貴川 Xing, Guichuan	柔性鈣鈦礦太陽能電池的製備與機理研究 Preparation and mechanism of flexible perovskite solar cells
89	0047/2020/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	張濤 Zhang, Tao	面向閉源移動應用的安全漏洞定位與漏洞報告生成方法研究 Security vulnerabilities localization and report generation method for closed source mobile apps

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90	0048/2020/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	倪冬冬 Ni, Dongdong	核衰變與行星物理（優青項目） Nuclear decay and planetary physics
91	0049/2020/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	張鋒 Zhang, Feng	構造與火山相互作用機制研究：對月球物質成分分佈和熱演化的啟示 Implications for the compositional distribution and thermal evolution of the moon indicated from tectonic-volcanic interactions
92	0050/2020/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	王飛躍 Wang, Feiyue	數據與知識混合平行驅動的智能區塊鏈理論、技術與應用驗證 Intelligent blockchain driven by parallel and hybrid data and knowledge: Theories, technologies and applications