



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

UNIVERSITY OF MACAU ANNUAL REPORT 澳門大學年度簡報 2021/2022



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University of Macau, Avenida da Universidade, Taipa, Macau, China
中國澳門氹仔 大學大馬路 澳門大學

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University of Macau Annual Report 2021/2022

澳門大學年度簡報 2021/2022

03 Statistics 統計數字

Numbers of Registered Students
註冊學生人數

Numbers of Graduates
畢業生人數

Numbers of Full-time Academic Staff
全職教學人員人數

Numbers of Administrative Staff
行政人員人數

University Budget
大學預算

Yearly Citation Frequency of Journal Papers
每年期刊論文被引用次數

Yearly Number of Published Journal Papers
每年期刊論文發表數量

07 Programmes 課程

12 Academic Accomplishments 學術成就

22 Scholarships, Fellowships and Academic Prizes 獎學金、助學金及學術獎項



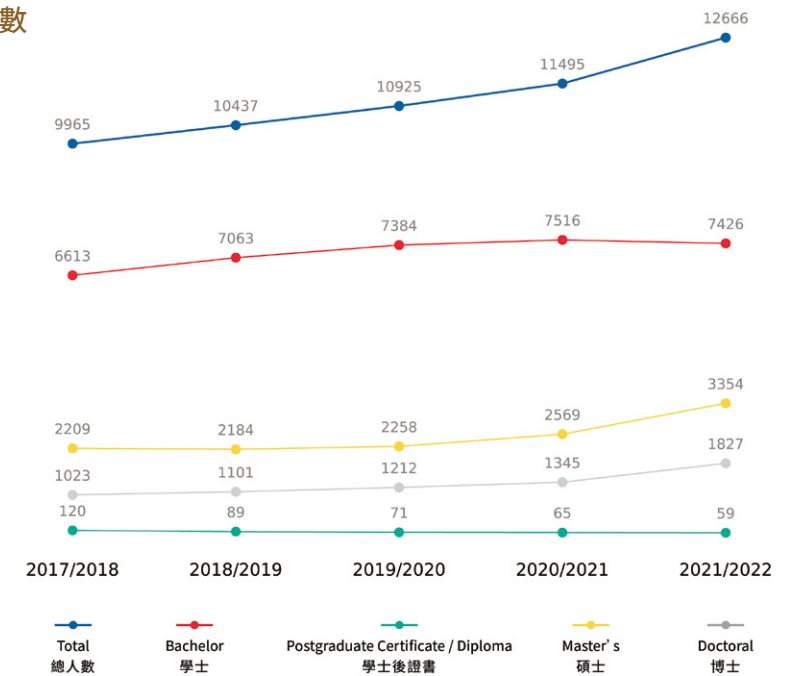
STATISTICS

統計數字



Numbers of Registered Students

註冊學生人數

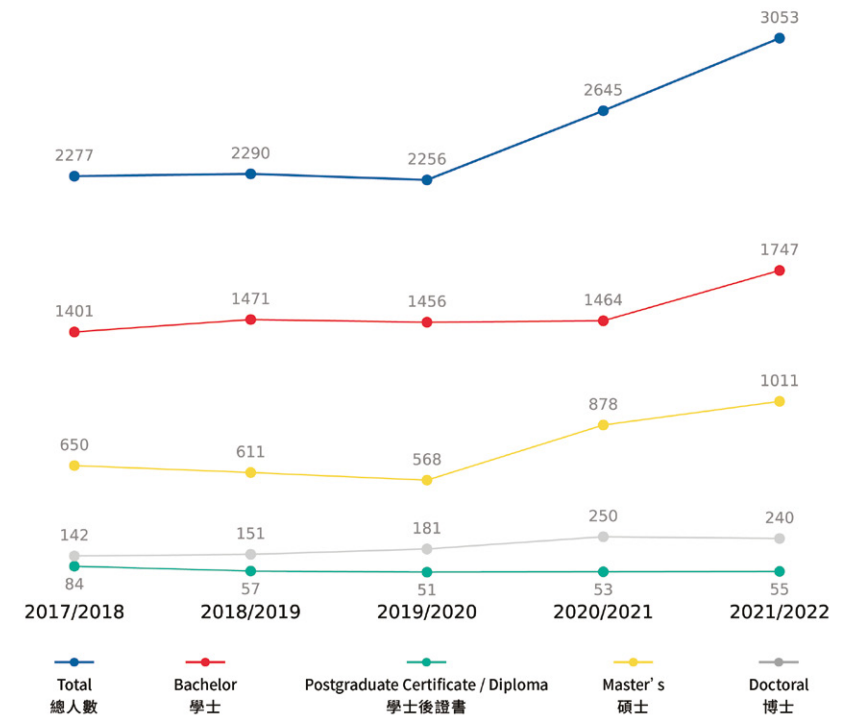


Excluding incoming exchange students
不包括來澳交流生

Data as at October 2022
資料截至 2022 年 10 月

Numbers of Graduates

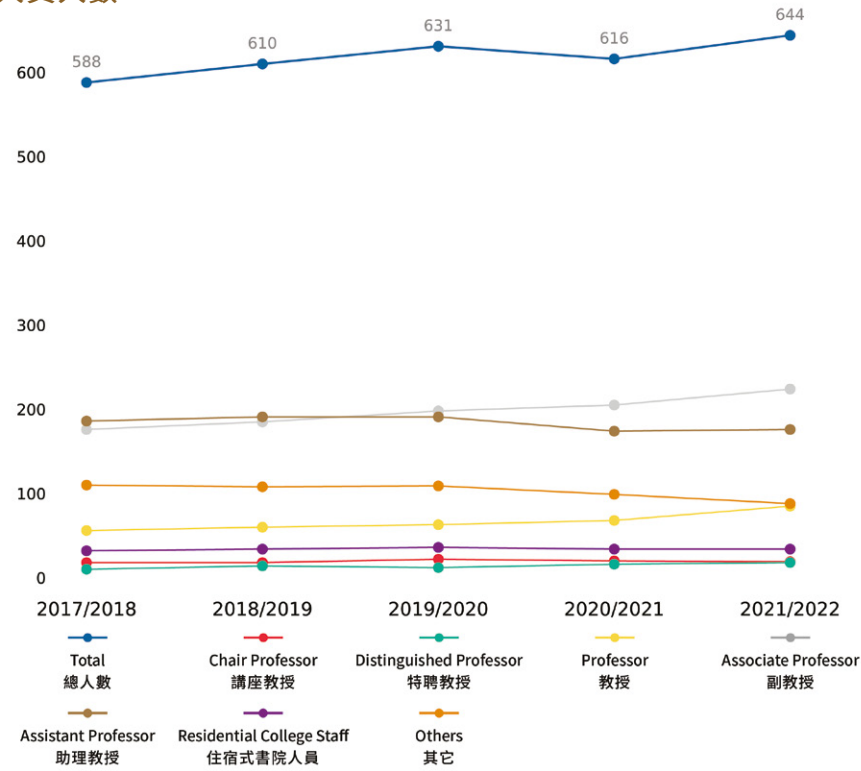
畢業生人數



Data as at October 2022
資料截至 2022 年 10 月

Numbers of Full-time Academic Staff

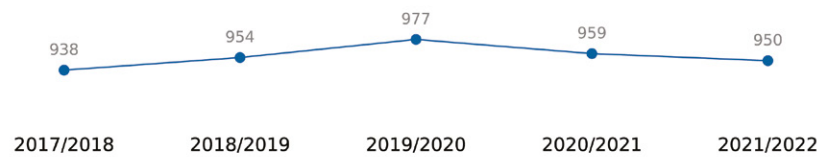
全職教學人員人數



Data as at 18 October 2022
資料截至 2022 年 10 月 18 日

Numbers of Administrative Staff

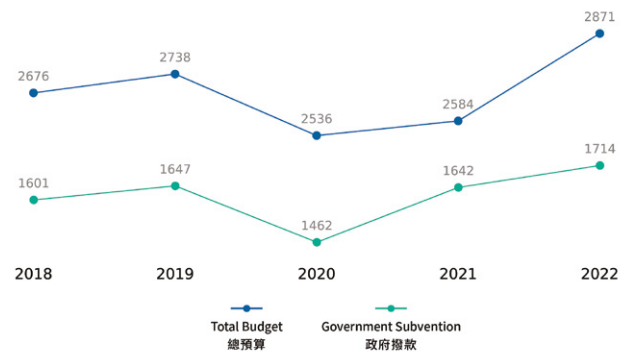
行政人員人數



Data as at 18 August 2022
資料截至 2022 年 8 月 18 日

University Budget

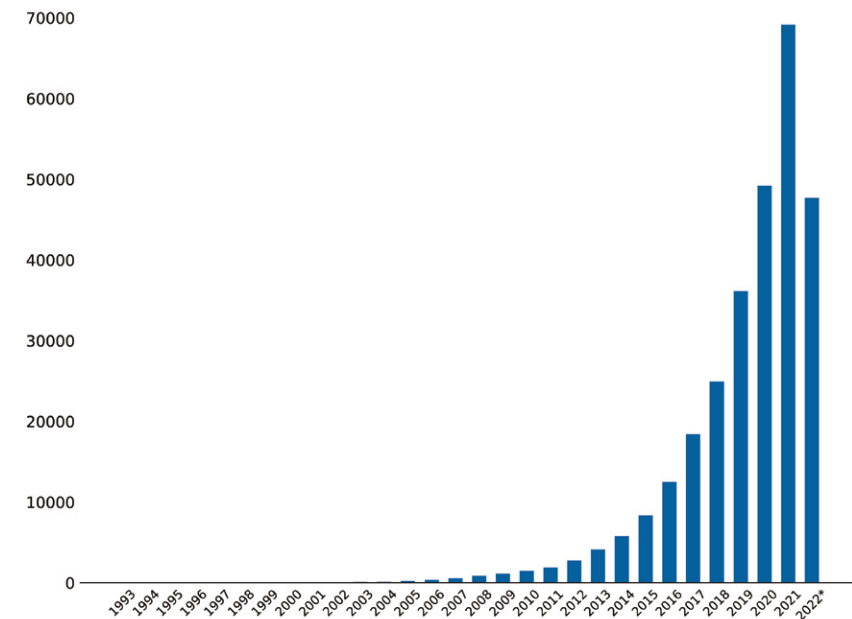
大學預算



Data as at 10 August 2022
資料截至 2022 年 8 月 10 日

Yearly Citation Frequency of Journal Papers

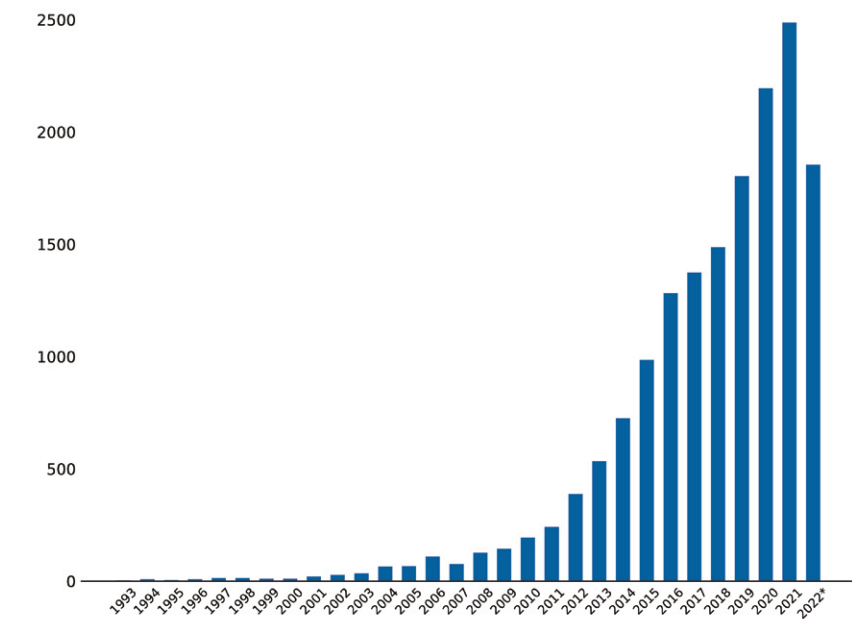
每年期刊論文被引用次數



* Source: WOS statistics as at 30 September 2022
資料來源：WOS 統計，截至 2022 年 9 月 30 日

Yearly Number of Published Journal Papers

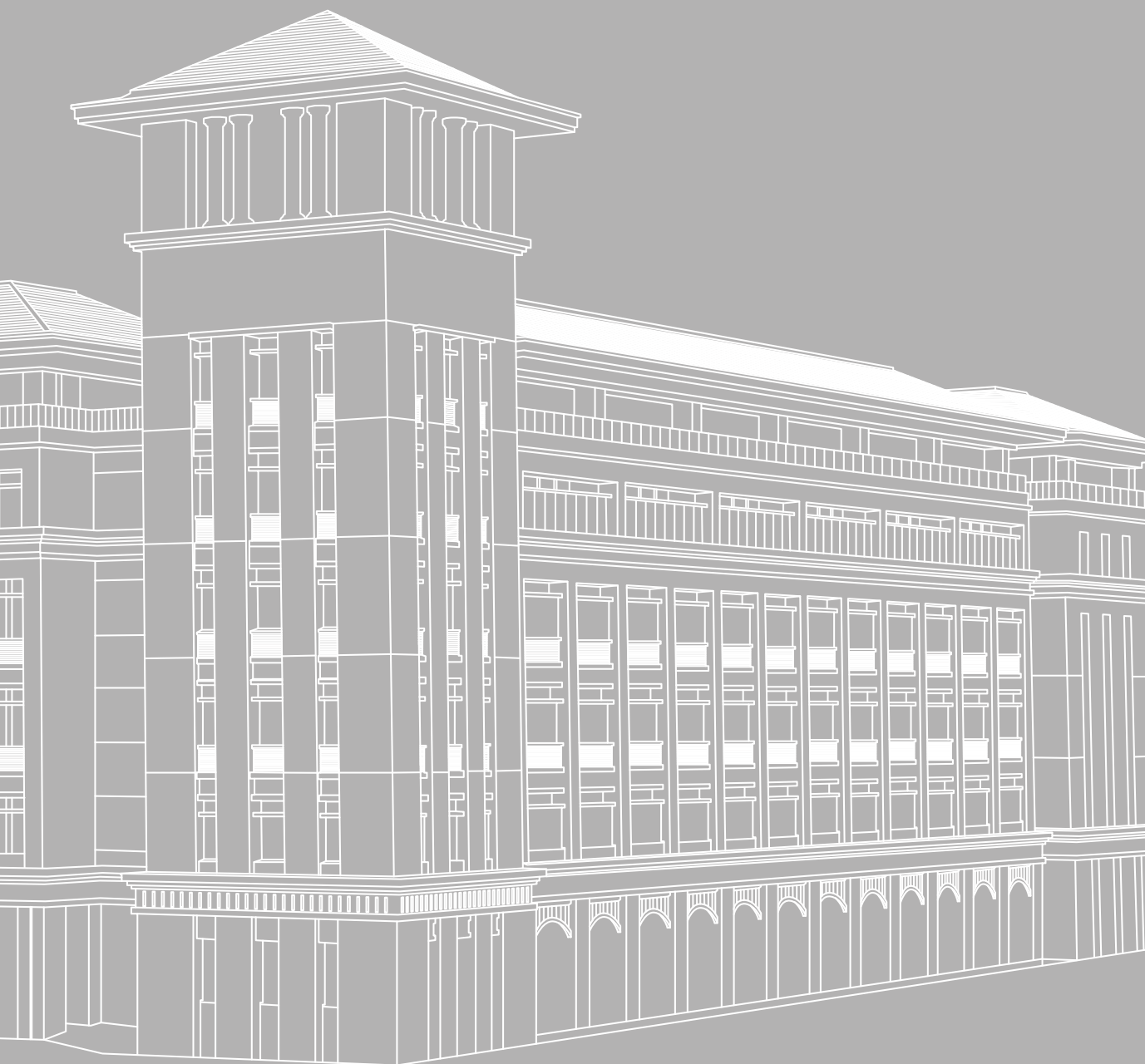
每年期刊論文發表數量



* Source: WOS statistics as at 30 September 2022
資料來源：WOS 統計，截至 2022 年 9 月 30 日

PROGRAMMES

課程



Faculty of Arts and Humanities

人文學院

Bachelor of Arts in Chinese Language and Literature	文學士 (中國語言文學)
Bachelor of Arts in English Studies	文學士 (英語研究)
Bachelor of Arts in History	文學士 (歷史學)
Bachelor of Arts in Japanese Studies	文學士 (日本研究)
Bachelor of Arts in Portuguese Studies	文學士 (葡語研究)
Master of Arts in English Studies	文學碩士 (英語研究)
Master of Philosophy in Chinese Linguistics	哲學碩士 (漢語語言學)
Master of Philosophy in Chinese Literature	哲學碩士 (中國文學)
Master of Philosophy in Portuguese Language and Intercultural Studies	哲學碩士 (葡萄牙語言及跨文化研究)
Master of Arts in Translation Studies	文學碩士 (翻譯)
Master of Arts in Second Language Acquisition	文學碩士 (第二語言習得)
Master of Arts in History	文學碩士 (歷史學)
Master of Arts in Chinese History and Culture	文學碩士 (中國歷史文化)
Doctor of Philosophy in History	哲學博士 (歷史學)
Doctor of Philosophy in Linguistics (Chinese)	哲學博士 (語言學 - 漢語)
Doctor of Philosophy in Linguistics (English)	哲學博士 (語言學 - 英語)
Doctor of Philosophy in Applied Linguistics (Portuguese)	哲學博士 (應用語言學 - 葡語)
Doctor of Philosophy in Literary Studies (Chinese)	哲學博士 (文學 - 中文)
Doctor of Philosophy in Literary Studies (English)	哲學博士 (文學 - 英文)
Doctor of Philosophy in Literary and Intercultural Studies (Portuguese)	哲學博士 (文學及跨文化研究 - 葡文)
Doctor of Philosophy in Philosophy and Religious Studies	哲學博士 (哲學及宗教學)

Faculty of Business Administration

工商管理學院

Bachelor of Business Administration	工商管理學士
Bachelor of Science in Accounting	理學士 (會計學)
Bachelor of Science in Business Intelligence and Data Analytics	理學士 (商業智能與數據分析)
Bachelor of Science in Finance	理學士 (金融學)
Bachelor of Science in International Integrated Resort Management	理學士 (國際綜合度假村管理)
Master of Business Administration	工商管理碩士
Master of Science in Accounting	理學碩士 (會計學)
Master of Science in Finance	理學碩士 (金融學)
Master of Science in International Integrated Resort Management	理學碩士 (國際綜合度假村管理)
Executive Master of Business Administration	高級管理人員工商管理碩士

Doctor of Business Administration	工商管理博士
Doctor of Philosophy in Business Administration	哲學博士 (工商管理)
Faculty of Education	
教育學院	
Bachelor of Education in Chinese	教育學士 (中文)
Bachelor of Education in English	教育學士 (英文)
Bachelor of Education in Integrated Science	教育學士 (綜合科學)
Bachelor of Education in Mathematics	教育學士 (數學)
Bachelor of Education in Pre-Primary Education	教育學士 (學前教育)
Bachelor of Education in Primary Education	教育學士 (小學教育)
Postgraduate Certificate in Education (Secondary Education)	學士後教育證書 (中學教育)
Postgraduate Certificate in Education (Primary Education)	學士後教育證書 (小學教育)
Postgraduate Certificate in Education (Pre-Primary Education)	學士後教育證書 (幼兒教育)
Master of Philosophy in Curriculum and Instruction	哲學碩士 (課程與教學)
Master of Philosophy in Educational Administration	哲學碩士 (教育行政)
Master of Philosophy in Early Childhood Education and Child Development	哲學碩士 (幼兒教育與兒童發展)
Master of Philosophy in Physical Education and Sport Studies	哲學碩士 (體育教學及運動)
Master of Philosophy in Educational Psychology	哲學碩士 (教育心理學)
Doctor of Education	教育博士
Doctor of Philosophy in Education	哲學博士 (教育學)

Faculty of Health Sciences	
健康科學學院	
Bachelor of Science in Biomedical Sciences	理學士 (生物醫藥學)
Bachelor of Science in Bioinformatics	理學士 (生物信息學)
Doctor of Philosophy in Biomedical Sciences	哲學博士 (生物醫藥)

Faculty of Law	
法學院	
Bachelor of Law in Chinese Language (Daytime)	中文授課之法學士 (日間)
Bachelor of Law in Chinese Language (Five-year Evening)	中文授課之法學士 (五年制夜間)
Bachelor of Law (Conducted in Chinese and Portuguese Five-year Daytime)	中葡雙語授課之法學士 (五年制日間)
Bachelor of Law in Portuguese Language (Five-year Evening)	葡語授課之法學士 (五年制夜間)
Introduction to Macau Law	澳門法律導論課程

Master of Law (Chinese Language)	法學碩士 (中文)
Master of Law in International Business Law (English Language)	法學碩士—國際商法 (英文)
Master of Law in European Union Law, International Law and Comparative Law (English Language)	法學碩士—歐盟法、國際法及比較法 (英文)
Master of Law (Portuguese Language)	法學碩士 (葡文)
Master of Law in Macau Law and Practice	法學碩士 (澳門法實務)
Doctor of Philosophy in Law	哲學博士 (法學)

Faculty of Science and Technology	
科技學院	
Bachelor of Science in Applied Physics and Chemistry	理學士 (應用物理及化學)
Bachelor of Science in Civil Engineering	理學士 (土木工程)
Bachelor of Science in Computer Science	理學士 (計算機科學)
Bachelor of Science in Electrical and Computer Engineering	理學士 (電機及電腦工程)
Bachelor of Science in Electromechanical Engineering	理學士 (機電工程)
Bachelor of Science in Mathematics	理學士 (數學)
Master of Science in Civil Engineering with Specialization in Hydraulics and Environmental Engineering	理學碩士 (土木工程—水力及環境工程)
Master of Science in Civil Engineering	理學碩士 (土木工程)
Master of Science in E-Commerce Technology	理學碩士 (電子商貿技術)
Master of Science in Electrical and Computer Engineering	理學碩士 (電機及電腦工程)
Master of Science in Electromechanical Engineering	理學碩士 (機電工程)
Master of Science in Computer Science	理學碩士 (計算機科學)
Master of Science in Mathematics	理學碩士 (數學)
Master of Science in Financial Technology	理學碩士 (金融科技)

Doctor of Philosophy in Civil Engineering	哲學博士 (土木工程)
Doctor of Philosophy in Electrical and Computer Engineering	哲學博士 (電機及電腦工程)
Doctor of Philosophy in Electromechanical Engineering	哲學博士 (機電工程)
Doctor of Philosophy in Computer Science	哲學博士 (電腦科學)
Doctor of Philosophy in Mathematics	哲學博士 (數學)

Faculty of Social Sciences	
社會科學學院	
Bachelor of Social Sciences in Communication	社會科學學士 (傳播學)
Bachelor of Social Sciences in Economics	社會科學學士 (經濟學)
Bachelor of Social Sciences in Government and Public Administration	社會科學學士 (政府與公共行政)
Bachelor of Social Sciences in Psychology	社會科學學士 (心理學)
Bachelor of Social Sciences in Sociology	社會科學學士 (社會學)

Master of Arts in Communication	文學碩士 (傳播學)
Master of Social Sciences in International Relations and Public Policy	社會科學碩士 (國際關係及公共政策)
Master of Social Sciences in European Studies	社會科學碩士 (歐洲事務)
Master of Social Sciences in Public Administration	社會科學碩士 (公共行政)
Master of Social Sciences in Criminology and Criminal Justice	社會科學碩士 (犯罪學與刑事司法)
Master of Social Sciences in Economics	社會科學碩士 (經濟學)
Master of Philosophy in Macao Studies	哲學碩士 (澳門研究)
Doctor of Public Administration	公共行政博士
Doctor of Philosophy in Communication	哲學博士 (傳播學)
Doctor of Philosophy in Economics	哲學博士 (經濟學)
Doctor of Philosophy in Psychology	哲學博士 (心理學)
Doctor of Philosophy in Sociology	哲學博士 (社會學)
Doctor of Philosophy in Public Administration	哲學博士 (公共行政)
Doctor of Philosophy in Political Science	哲學博士 (政治學)

Institute of Applied Physics and Materials Engineering 應用物理及材料工程研究院

Doctor of Philosophy in Applied Physics and Materials Engineering	哲學博士 (應用物理及材料工程)
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Institute of Chinese Medical Sciences 中華醫藥研究院

Master of Philosophy in Chinese Medicinal Science	哲學碩士 (中藥學)
Master of Philosophy in Medicinal Administration	哲學碩士 (醫藥管理)
Doctor of Philosophy in Biomedical Sciences	哲學博士 (生物醫藥)

Institute of Collaborative Innovation 協同創新研究院

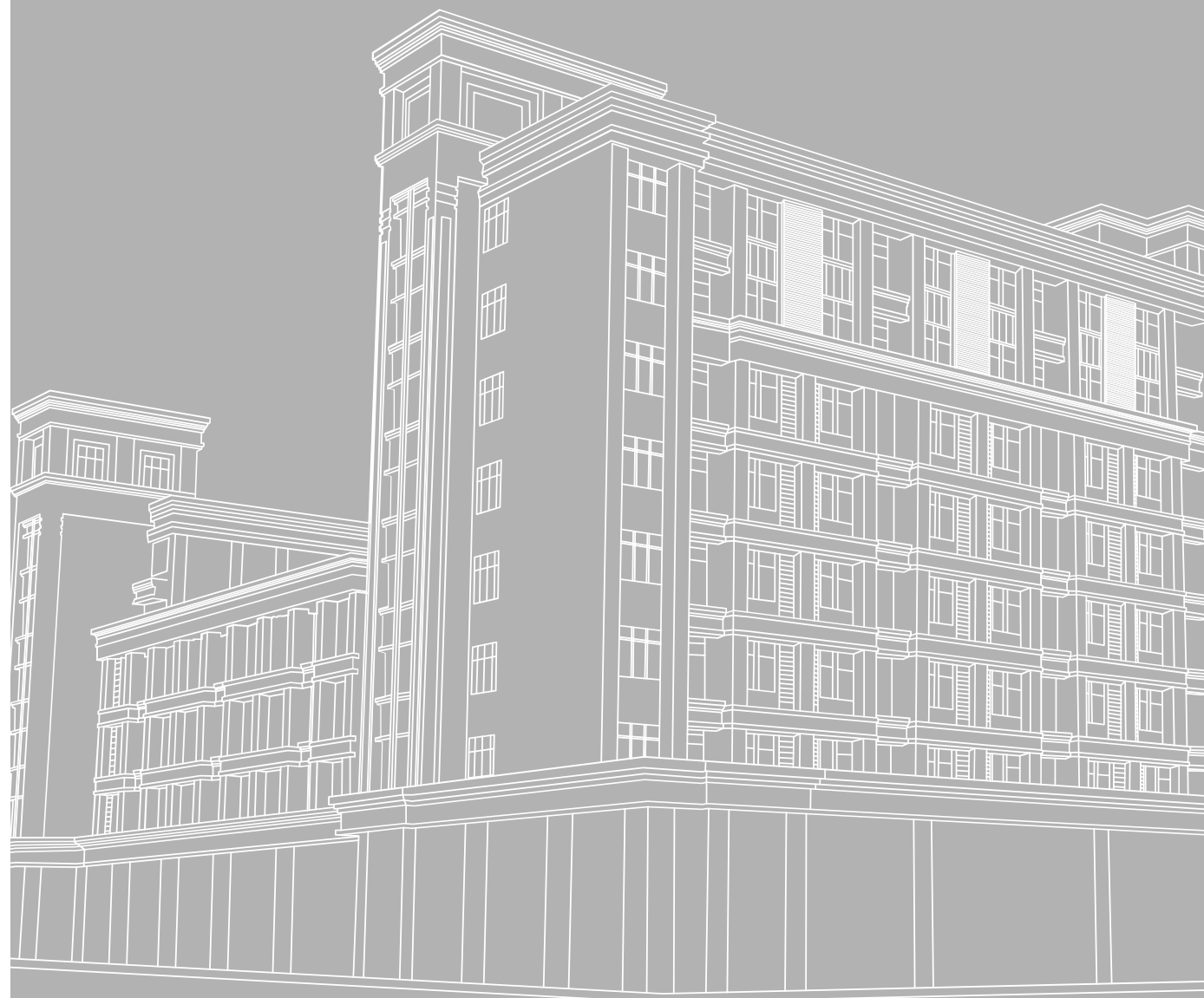
Master of Science in Data Science	理學碩士 (數據科學)
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Institute of Microelectronics 微電子研究院

Master of Science in Microelectronics	理學碩士 (微電子學)
Master of Philosophy in Microelectronics	哲學碩士 (微電子學)

ACADEMIC ACCOMPLISHMENTS

學術成就



The Macao SAR government awarded the Medal of Merit – Professions to the State Key Laboratory of Quality Research in Chinese Medicine (SKL-QRCM), the Medal of Merit – Education to UM Vice Rector and Chair Professor Rui Martins, the Decoration of Honour – Golden Lotus to UM University Assembly Member Dr Chui Sai Cheong, and the Medal of Merit – Industry and Commerce to UM Alumnus Prof U Seng Pan.

The Faculty of Business Administration (FBA) received the EFMD Quality Improvement System accreditation from the European Foundation for Management Development (EFMD). The FBA has now been accredited by the three major international accreditation bodies: EQUIS, the Association to Advance Collegiate Schools of Business, and the Association of MBAs.

UM received approval from the Ministry of Education to establish the Frontiers Science Center for Precision Oncology, which is the first national frontiers science centre of its kind in Hong Kong and Macao.

The UM Macao Base for Primary & Secondary STEM Education (UM Faculty of Science and Technology) was included in the first batch of 2021-2025 national science education bases. UM is the first university in Macao to make the list.

The Macau Institute for Translational Medicine and Innovation was established at UM, with Zhong Nanshan, a member of the Chinese Academy of Engineering, as the president of the institute's steering committee.

The research project 'Key Technologies and Applications of Demand-side Load Regulation of Power Systems with a High Proportion of New Energy Sources', of which UM Rector and Chair Professor Yonghua Song is the first author, won a second prize of the State Scientific and Technological Progress Award for the year 2020. He was also awarded the 14th Guanghua Engineering Science and Technology Prize for his contribution to the field of power system operation and control. He is the only scholar from Macao to receive the award in 2022.

Xu Qingsong, professor in the Department of Electromechanical Engineering, was elected a fellow of the American Society of Mechanical Engineers. Zhou Yicong, professor in the Department of Computer and Information Science, was elected a fellow of the Society of Photographic Instrumentation Engineers. Both are the first scholars from Macao to receive their respective titles.

Tam Kam Weng, professor in the Department of Electrical and Computer Engineering, was elected an International STEM Ambassador of the Institute of Electrical and Electronic Engineers. His is the only scholar from Macao to receive this honour in 2022.

UM established the Centre for Linguistics. In addition, the Faculty of Arts and Humanities (FAH) and the Macao Linguistics Society signed an agreement on the publication of the *Macao Journal of Linguistics* to promote research and exchange between different language disciplines.

中藥質量研究國家重點實驗室獲澳門特區政府頒授專業功績勳章、澳大副校長馬許願講座教授獲頒教育功績勳章、大學議庭成員崔世昌博士獲頒金蓮花榮譽勳章、校友余成斌教授獲頒工商功績勳章。

工商管理學院獲歐洲管理發展基金會的歐洲質量發展系統 (EQUIS) 國際認證。該學院已取得全球三大商學院認證：EQUIS、國際商學院聯合會 (AACSB) 及工商管理碩士協會 (AMBA) 的認證，晉身「三冠王」商學院之列。

澳大獲批建設國家教育部精準腫瘤學前沿科學中心。該中心是國家在港澳地區佈局的首個前沿科學中心。

澳大澳門中小學生科技實踐基地（澳大科技學院）獲列為 2021—2025 年全國科普教育基地。澳大是澳門首個獲此殊榮的高校。

澳門轉化醫學創新研究院在澳大成立，由中國工程院院士鍾南山擔任指導委員會主席。

澳大校長宋永華講座教授作為第一完成人的研究項目「含高比例新能源的電力系統需求側負荷調控關鍵技術及工程應用」獲 2020 年度國家科學技術進步獎二等獎。他在 2022 年獲頒第 14 屆光華工程科技獎，以表彰其在電力系統運行與控制領域的貢獻，成為該屆澳門唯一獲此殊榮的學者。

機電工程系徐青松教授獲選為美國機械工程師協會會士，是首位獲此殊榮的澳門學者；電腦及資訊科學系周怡聰教授獲選為國際光學工程學會會士，是首位獲此殊榮的澳門學者。

電機及電腦工程系教授譚錦獲美國電機及電子工程師學會選為國際科普大使，是 2022 年唯一獲此殊榮的澳門學者。

澳大成立語言學研究中心。此外，人文學院與澳門語言學會簽署《澳門語言學刊》合作協議，推動跨語種研究與交流。

Cowrie Shells and Cowrie Money: A Global History, written by Yang Bin, professor and head of the Department of History, was listed as one of the ten best books in 2021 by the Social Sciences Academic Press (China). It was also listed among the top 20 history books in 2021 by *China Reading Weekly*.

Joshua Ehrlich, assistant professor in the Department of History, received the 2021 Library History Essay Award from the Library and Information History Group.

Faculty members and students in the Department of Portuguese translated the Chinese classic *Strange Stories from a Chinese Studio* and the poetry collection *I Don't Believe in the Echo of Thunder* into Portuguese. The two books were published in Brazil alongside *Beyond the Mountain* (Portuguese title *O Além da Montanha*), a Portuguese prose collection by Yao Jingming (Yao Feng), professor in the department.

Ma Wan Cham, visiting senior instructor in the Department of Chinese Language and Literature, received a second prize at the 15th Symposium on International Society for Practical Chinese Writing. Professor Emeritus Tang and alumna Tan Jingyi from the department each received third prize at the same event.

The Centre for Chinese History and Culture and the Chinese-Portuguese Bilingual Teaching and Training Centre edited and published the *Chinese History and Culture Comic Book Series*, a series of books that present traditional Chinese myths, legends, and historical stories in Chinese, English and Portuguese.

The Department of History launched the digital humanities platform 'QingMaps' (Map of the Qing Dynasty). It consists of three enormous maps produced at court during the reigns of Kangxi, Yongzheng and Qianlong, and enables searches, analysis and annotation of approximately 70,000 place names. Mario Cams, associate professor in the department, is in charge of the five-year project, with the help of 12 UM students and colleagues from Leiden University, the Netherlands.

An article titled 'Does Taking Charge Help or Harm Employees' Promotability and Visibility? An Investigation From Supervisors' Status Perspective', co-authored by Professor Raymond Loi and Associate Professor Cheri Chow in the FBA, as well as Assistant Professor Angela Xu Jie at Jinan University, was published in the *Journal of Applied Psychology*.

An article titled 'Am I Motivated to Share Knowledge for Better Innovative Performance? An Approach and Avoidance Framework', co-authored by Associate Professor Lucy Lin and Assistant Professor Anthony Tang in the FBA, as well as Professor Lin Lu at Shanghai Jiao Tong University and Professor Muammer Ozer at the City University of Hong Kong, was published in the *Journal of Applied Psychology*.

A research article titled 'Combating the COVID-19 Pandemic: The Role of the SARS Imprint', co-authored by Assistant Professor Yang Endong in the FBA, as well as Assistant Professor Ru Hong at the Nanyang Technological University in Singapore and Dr Zou Kunru at Renmin University of China, was published in *Management Science*.

歷史系主任楊斌教授的專著《海貝與貝幣：一個鮮為人知的全球史》獲社會科學文獻出版社選為 2021 年度十大好書之一，並列入《中華讀書報》2021 年度不容錯過的 20 種歷史好書之一。

歷史系助理教授 Joshua Ehrlich 以其研究獲圖書館和信息史研究團體 (LIHG) 頒發 2021 年圖書館歷史論文獎。

葡文系師生將中國文學經典《聊齋志異》和詩歌集《我不相信雷的回聲》譯成葡文，並與該系姚京明教授（姚風）的葡文散文集《山外》同時於巴西出版。

中國語言文學系客座高級導師馬雲駿、榮休教授鄧景濱、畢業生譚靜宜於國際漢語應用寫作第 15 屆學術研討會共獲一個二等獎及兩個三等獎。

中國歷史文化中心與中葡雙語教學暨培訓中心共同修訂及出版《中國歷史文化系列漫畫叢書》，以中、英、葡三語講述中國傳統神話故事。

歷史系推出名為「QingMaps」（大清地圖）的數字人文平台。該平台提供超大型地圖，橫跨康雍乾三朝，有近 7 萬個地名可供搜索、分析及註釋。項目歷時 5 年，由歷史系康言副教授統籌，在 12 名歷史系學生及荷蘭萊頓大學協助下完成。

工商管理學院雷智豪教授和周詠芝副教授、暨南大學徐潔助理教授合撰的論文《Does Taking Charge Help or Harm Employees' Promotability and Visibility? An Investigation From Supervisors' Status Perspective》獲《Journal of Applied Psychology》刊登。

工商管理學院林曉婉副教授和唐恒助理教授、上海交通大學路琳教授及香港城市大學歐澤賢教授合撰的論文《Am I Motivated to Share Knowledge for Better Innovative Performance? An Approach and Avoidance Framework》獲《Journal of Applied Psychology》刊登。

工商管理學院楊恩東助理教授、新加坡南洋理工大學茹弘助理教授及中國人民大學鄒昆儒博士合撰的論文《Combating the COVID-19 Pandemic: The Role of the SARS Imprint》獲《Management Science》刊登。

Zhou Mingming, associate professor in the Faculty of Education and Mou Hao, director of DataStory Information and Technology Ltd, co-authored a paper to review Chinese public opinions on online education during the COVID pandemic, which offers practical suggestions for improving online education. The results were published in *Educational Technology Research and Development*.

Gong Yang, assistant professor in the Faculty of Education, was invited to be an editorial board member of the journal *Language, Culture and Curriculum*. He is the first and so far the only scholar from Macao to receive this recognition.

A research team in the Faculty of Health Sciences (FHS), led by Chuxia Deng, dean and chair professor of the faculty, collaborated with Conde S. Januário Hospital, the Affiliated Hospital of Southwest Medical University, the First Affiliated Hospital of Sun Yat-sen University, Sun Yat-sen University Cancer Center, and Zhuhai People's Hospital in a project regarding cancer precision medicine. The research team used patient-derived organoids (PDOs), *in vitro* drug screening, and other techniques to provide individualised treatment suggestions for breast cancer patients, especially those with advanced breast cancer. The results were published in *Advanced Science*.

A team led by Chen Guokai, professor in the FHS, found that lysophosphatidic acid can lead to a novel pluripotency status, providing a powerful tool for regulating stem cell metabolism and transcription. The results were published in *Cell Reports*.

A team led by Kathy Luo Qian, professor in the FHS, found that tumour cells can express more desmosomal proteins of desmocollin-2 (DSC2) and plakophilin-1 (PKP1) to help them form cell clusters in the circulatory system, so that circulating tumour cells can survive in the bloodstream and have a stronger metastatic ability. This discovery provides new insights into the development of new anti-metastasis therapies. The results were published in *Science Advances*.

A team led by Yuan Zhen, head of the Centre for Cognitive and Brain Sciences (CCBS) and professor in the FHS, identified homologous mapping relationships between voxels within the human and macaque Broca's area, shedding light on the neural mechanisms of underlying high-level language functions. The results were published in *NeuroImage*.

A team led by Zheng Wenhua, professor in the FHS, has made a breakthrough in the neuroprotective effects of artemisinin, bringing good news to patients suffering from neurological diseases, such as stroke. The research team found that artemether, a derivative of artemisinin, protects against cerebral ischemia injury. This finding is of great significance to stroke prevention and treatment. The results were published in *Redox Biology*.

教育學院周明明副教授與廣州數說故事資料智慧中心牟昊總監合著論文《新冠肺炎對中國公眾對線上教育看法的影響分析報告》，提出改善線上教育的實用建議，成果獲《教育技術研究與發展》刊登。

教育學院龔陽助理教授獲邀擔任國際著名期刊《語言、文化與課程》編委會成員，成為首位及目前唯一獲此殊榮的澳門學者。

健康科學學院院長鄧初夏講座教授的團隊與澳門仁伯爵綜合醫院、西南醫科大學附屬醫院、中山大學附屬第一醫院、中山大學附屬腫瘤醫院和珠海市人民醫院的研究團隊合作，運用腫瘤類器官培養、體外藥敏篩查等研究手段，為不同的乳腺癌患者（尤其是晚期乳腺癌患者）提供個體化治療指導建議，成果獲《先進科學》刊登。

健康科學學院陳國凱教授的團隊在一項研究中揭示溶血磷脂酸可以誘導一種新的幹細胞狀態，為人們提供了一個有利的工具用於調節幹細胞的細胞代謝和基因表達，成果獲《細胞報導》刊登。

健康科學學院羅茜教授的團隊發現，腫瘤細胞可以通過表達更多的細胞膜橋粒蛋白（DSC2 和 PKP1）來幫助它們在循環系統中形成細胞團，從而使循環腫瘤細胞可以在血液循環中存活並擁有更強的轉移能力，為開發新型抗癌轉移療法提供新思路，成果獲《科學進展》刊登。

認知與腦科學研究中心主任、健康科學學院袁振教授的團隊破解人類和獼猴布羅卡區域內部的同源位點映射關係，深化了對布羅卡區域結構連接特异性改變的認識，有助探索高級語言功能的潛在機制，成果獲《神經影像》刊登。

健康科學學院教授鄭文華的團隊在青蒿素神經保護作用研究中取得新突破，為神經系統疾病病人如腦中風患者帶來喜訊。研究團隊發現青蒿素衍生物蒿甲醚可以保護腦缺血損傷，為預防及治療腦中風具有重要的意義，成果獲《Redox Biology》刊登。

A team led by Liu Tzu-Ming, associate professor in the FHS, developed a new phosphorescence imaging method to map tumour hypoxia, which can help to precisely detect and remove cancerous tumours. This is a collaboration between Prof Liu's team and Professor Sergey P. Tunik at Saint Petersburg State University, Professor Igor O. Koshevoy at the University of Eastern Finland, and Professor Chou Pi-Tai at Taiwan University. The results were published in *Advanced Science*.

A team led by Wong Koon Ho, associate professor in the FHS, discovered the dormancy mechanism of fungal spores. The discovery holds promise for protecting immunocompromised people and the results were published in *Nature Microbiology*.

A team led by Xu Xiaoling, associate professor in the FHS, identified the mechanism of ATP11b-mediated metastasis and the corresponding targeted therapeutic agents through cellular and animal model validation, which is expected to improve the treatment outcome for patients with metastatic breast cancer. The results were published in the *Journal of Clinical Investigation*.

A team led by Zhang Hongjie, associate professor in the FHS, delineated the spatiotemporal organisation and dynamics of the transcripts that encode membrane-associated proteins in different subcellular compartments and tissues, and found that asymmetric mRNA localisation may be a prerequisite for epithelial polarisation and function. The results were published in *Cell Reports*.

A team led by Zhang Hongjie, associate professor in the FHS, discovered that an imbalance of cellular protein homeostasis and autophagy overactivation is the major cause of intestinal damage and dysfunction upon loss of a novel protein RIKE-1. The discovery holds promise for identifying therapeutic intervention targets for slowing down the progression of these diseases and ageing. The results were published in *Autophagy*.

A team led by Zhang Xuanjun, associate professor in the FHS, developed a highly efficient nanocatalyst to remove antibiotics and other pollutants from water. The newly developed catalysts were used in advanced oxidation to remove antibiotics and other contaminants within 15 minutes. The results were published in *Small*.

A team led by Zhang Xuanjun, associate professor in the FHS, made progress in the development of formaldehyde detectors. The sensor they developed can rapidly and quantitatively detect formaldehyde pollution and food preservatives in the living environment. The results were published in *Nano Letters*.

A team led by Zhao Qi, associate professor in the FHS, developed a new nanozyme technology that can enhance the anti-tumour effects of chimeric antigen receptor (CAR) T cells by reshaping the tumour microenvironment. This technology can improve the ability of the patient's immune system to fight the tumour. The results were published in *Small*.

健康科學學院劉子銘副教授的團隊與聖彼德堡國立大學教授 Sergey P. Tunik、東芬蘭大學教授 Igor O. Koshevoy 和台灣大學教授周必泰合作，開發了一種新的磷光成像方法，用於量測腫瘤微環境缺氧，有助精準檢測和切除致癌腫瘤，成果獲《先進科學》刊登。

健康科學學院黃冠豪副教授的團隊在一項研究中揭示真菌孢子的休眠機制，有助了解如何使免疫力低下的人士預防因真菌病原體引起的致命感染，成果獲《自然微生物》封面論文形式刊登。

健康科學學院徐曉玲副教授的團隊使用全基因組敲除文庫技術，確定了乳腺癌轉移抑制基因 ATP11b 介導轉移的機制和相應的靶向治療藥物，有望提高乳腺癌轉移患者的治療成效，成果獲《臨床研究雜誌》刊登。

健康科學學院張紅杰副教授的團隊報導了一系列與膜相關的 mRNA 在多組織的分佈特徵和 mRNA 在不同亞細胞區域的動態特點，並揭示了不對稱分佈的 mRNA 調節基因時空表達從而極化上皮的潛在機制，成果獲《Cell Reports》刊登。

健康科學學院張紅杰副教授的團隊發現，全新蛋白 RIKE-1 的缺失會破壞蛋白穩態。其發現有望為減緩衰老及為神經退行性疾病治療提供潛在靶點，成果獲《自噬》刊登。

健康科學學院張宣軍副教授的團隊開發了高效納米催化劑，可在 15 分鐘內快速降解排放到水體中的抗生素和其他污染物，成果獲《Small》刊登。

健康科學學院張宣軍副教授的團隊在甲醛檢測器研發取得進展，其研發的傳感器可快速定量檢測生活環境的甲醛污染和食品防腐劑，成果獲《納米通訊》刊登。

健康科學學院趙琦副教授的團隊研發出新型納米酶技術，能利用重塑腫瘤的微環境來增強嵌合抗原受體 (CAR) T 細胞的抗腫瘤效果，從而提高病人自身免疫系統抗腫瘤的能力，成果獲《Small》刊登。

A team led by Dai Yunlu, assistant professor in the FHS, designed and synthesised a novel nanomedicine. It can evoke potent anti-tumour immune responses, inhibit tumour growth, and stimulate long-lasting immunological memory. The results were published in *Nature Communications*.

A team led by Dai Yunlu, assistant professor in the FHS, developed a novel metal-phenolic network to potentiate the activation of a stimulator of interferon genes (STING) pathway within the tumour microenvironment for advanced radiotherapy. The results were published in *Advanced Materials*.

A team led by Dai Yunlu, assistant professor in the FHS, developed a series of novel metal phenolic nanoparticles to enhance the therapeutic efficacy of various cancer treatments. The results were published in the *Journal of the American Chemical Society*, *Angewandte Chemie International Edition*, *Advanced Functional Materials*, and *Nano Today*.

Asian Journal of Criminology, a journal edited by Liu Jianhong, Distinguished Professor in the FLL, was again listed by SCImago in Q1 in the subject of law. The journal ranks 60th out of 818 law journals in the world and is among the top 10 per cent of law journals.

Students in the FLL received an award for outstanding organisation in an essay competition on empirical legal analysis. Zheng Mengmeng and Tao Linbo, two master's students in the faculty, won second prizes in the postgraduate category, while Tang Ming, a master's student, won a third prize in the same category.

A research team including Daina Chiba, associate Professor in the Department of Government and Public Administration, conducted a study on how individuals develop opinions on how to resolve territorial disputes with neighbouring countries. The study was published in *Political Science Research and Methods*.

Xu Jianhua, associate professor and head of the Department of Sociology, and master's student Siying He co-authored an article titled 'Select Can Grid Governance Fix the Party-state's Broken Windows? A Study of Stability Maintenance in Grassroots China Can Grid Governance Fix the Party-state's Broken Windows? A Study of Stability Maintenance in Grassroots China!'. The study was published in *China Quarterly*.

A research article on environmental economics co-authored by Aileen Lam, assistant professor in the Department of Economics, and other scholars was published in *Nature Energy*. The results were also highlighted by *The Guardian* and *The Moscow Times*.

An article titled 'Financialization and Commodity Markets Serial Dependence' by Yubo Tao, assistant professor in the Department of Economics, was published in *Management Science*.

健康科學學院代雲路助理教授的團隊研發出一款新型納米藥物，能高效抑制黑色素瘤的轉移、促進抗腫瘤免疫反應，並且顯著抑制腫瘤生長和激活長久的特異免疫記憶，成果獲《自然通訊》刊登。

健康科學學院代雲路助理教授的團隊構建出一種新型金屬—多酚網絡 DSPM，能激活腫瘤微環境 STING 通路，有助腫瘤放射治療，成果獲《先進材料》刊登。

健康科學學院代雲路助理教授的團隊開發一系列新型金屬多酚納米粒，能提升多種腫瘤治療效果，成果獲《美國化學會誌》《應用化學》《先進功能材料》和《今日納米》刊登。

法學院劉建宏特聘教授主編的《亞洲犯罪學》期刊於 SCImago 公佈的 2021 年最新排名中，蟬聯法學類一區期刊，於全球入選 Scopus 的 818 本優秀法學類期刊中排名第 60，進入法學期刊前 10%。

法學院學生於第一屆「小包公盃」粵港澳大學生法律實證分析徵文比賽榮獲「優秀組織獎」，該院碩士研究生鄭萌萌及陶林渤榮獲研究生組二等獎，唐銘榮獲研究生組三等獎。

政府與行政學系千葉大奈副教授團隊的論文《Belief in Territorial Indivisibility and Public Preferences for Dispute Resolution》獲《Political Science Research and Methods》刊登。

社會學系主任徐建華副教授和碩士研究生何斯穎合著的研究論文《破窗理論、網格化與基層治理》獲《中國季刊》刊登。

經濟學系林微微助理教授和其他學者合著的環境經濟論文獲《Nature Energy》刊登，其研究結果也獲《衛報》與《莫斯科時報》引述。

經濟學系助理教授陶宇博的論文《Financialization and Commodity Markets Serial Dependence》獲《Management Science》刊登。

Economic Modelling, a journal edited by Angus Chu, Distinguished Professor and head of the Department of Economics, is ranked among the top 20 economics journals.

Wu Jiangchao, a PhD student in the Department of Electrical and Computer Engineering and the Institute of Microelectronics (IME), and Law Man Kay, associate professor in the department and the institute, developed the first multimode CMOS vision sensor chip which not only enables efficient optical flow extraction of moving objects but also achieves uninterrupted solar energy harvesting. The results were published in *IEEE Sensors Journal*.

A team led by Hao Tianwei, assistant professor in the Department of Civil and Environmental Engineering, received the 2021 Best Paper Award from the journal *Frontiers of Environmental Science & Engineering* for a study on sludge biochar, which has important implications for sludge recycling.

A student team from the Department of Civil and Environmental Engineering received a grand prize at the Fourth National Structure Design Contest on Information Technology for College Students, making it the only team from Hong Kong and Macao to win a prize in the competition.

Liu Yichen, an undergraduate student in the Department of Physics and Chemistry, and a team led by his supervisor Liu Hongchao, assistant professor in the Institute of Applied Physics and Materials Engineering (IAPME), proposed a method to compress the bucket signals and illumination patterns of computational ghost imaging. The results were published in *Optical Express*.

Du Yu, a PhD student in the Biomedical Imaging Laboratory of the Faculty of Science and Technology (FST), won the bronze prize in the Asian Cardiology Session at the 61st Annual Scientific Meeting of the Japanese Society of Nuclear Medicine for his research project that aims to reduce radiation exposure on patients from unnecessary CT scans.

The Natural Language Processing & Portuguese-Chinese Machine Translation Laboratory of the FST joined the Metrics Shared Task at the 6th Conference on Machine Translation with a translation team from Alibaba Damo Academy. The lab won first prizes in five of the eight automatic translation quality tests, as well as two second prizes and a fifth prize.

With the support of the Excellent Publication Scheme of the Institute of Advanced Studies in Humanities and Social Sciences, João Ilhão Moreira, junior research fellow in the institute and assistant professor in the FLL, published a book via Hart Publishing, an independent academic law publisher in the UK.

South China Quarterly, an academic journal in the field of humanities and social sciences published by UM, was ranked No 4 in publication rate among all academic journals published by universities in mainland China and No 1 in Macao in 2021.

經濟學系系主任朱智豪特聘教授編輯的《Economic Modelling》獲得經濟學類期刊排名前 20 的榮譽。

電機及電腦工程系、微電子研究院羅文基副教授和博士生吳江潮研發出首塊在像素層面實現運動方向檢測和能量採集功能的多功能 CMOS 視覺傳感器芯片，成果獲《IEEE 傳感器雜誌》刊登。

土木及環境工程系郝天偉助理教授的研究團隊獲期刊《環境科學與工程前沿》頒發 2021 年最佳論文獎，以表彰其一項為污泥資源化提供重要借鑒的製備電容生物炭研究成果。

土木及環境工程系學生隊伍於第四屆全國大學生結構設計信息技術大賽獲特等獎，是港澳唯一獲獎的高校隊伍。

物理及化學系本科生劉亦辰與其導師、應用物理及材料工程研究院劉宏超助理教授的團隊提出一種用於壓縮計算鬼成像的探測信號和照明圖案的方案，成果獲《光學快訊》刊登。

科技學院生物醫學影像實驗室博士生杜宇憑一項使病人免於採集 CT 圖像、降低不必要 CT 輻射的研究，於第 61 屆日本核醫學會學術總會獲亞洲核醫心臟學會會議獎勵第三名。

科技學院自然語言處理與中葡機器翻譯實驗室聯同阿里巴巴達摩院翻譯團隊參加 2021 年第六屆世界頂級機器翻譯大賽，在八項翻譯質量自動評價測試中奪得五項第一名、兩項第二名和一項第五名。

人文社科高等研究院年輕駐院學人、法學院助理教授 João Ilhão Moreira 在該院「卓越出版計劃」支持下於英國法律專業獨立出版社 Hart Publishing 出版學術書籍。

澳大出版的人文社科類學術期刊《南國學術》2021 年位列中國內地高等院校主辦學報轉載指數排名第四，本澳第一。

A team led by Qu Songnan, professor in IAPME, proposed a strategy to fuse large conjugated molecules to produce NIR emissive carbon nanodots. By solvothermal fusion of urea and perylenetetracarboxylic dianhydride (PTCDA) molecule containing five benzene rings, carbon nanodots with both NIR main absorption peak and emission peak were realised for the first time, and the NIR luminescence efficiency set a record of 18.8 per cent. The results were published in *Advanced Science*.

A team led by Ng Kar Wei and Wang Shuangpeng, two associate professors in the IAPME, proposed an electrochromic battery based on lithium titanate (Li₄Ti₅O₁₂) and hybrid Al³⁺/Zn²⁺ aqueous electrolyte. This system will enable the commercialisation of low-cost, high-safety aqueous electrochromic batteries. The results were published in *ACS Nano*.

A team led by Hui Kwun Nam, associate professor in the IAPME, made progress in exploring anode materials for potassium-ion batteries. The research team proposed and used phosphorus and its phosphorus to achieve higher energy density while improving battery safety. The results were published in *Advanced Functional Materials*.

A team led by Zhou Bingpu, assistant professor in the IAPME, designed a breathable and waterproof electronic skin that can recognise and distinguish between pressure and strain from the environment. The results were published in *ACS Nano*.

A paper written by Lee Ming Yuen, Distinguished Professor and deputy director of the Institute of Chinese Medical Sciences (ICMS), titled 'The Importance of Cooperating with China in the Global Health System', was published in *Rotas a Oriente. Revista de Estudos Sino-Portugueses*.

A study on the discovery of antithrombotic and cardioprotective protein targets and exploration of new drugs, jointly conducted by Lee Ming Yuen, Distinguished Professor and deputy director of the ICMS, Cui Guochen, professor from the Zhuhai campus of Zunyi Medical University, and a team led by Professor Wu Yi from Suzhou University, won a third prize at the *Natural Science Award of Guizhou Province*.

A research team led by Wang Ruibing, associate professor in the ICMS, developed a bacteria-mimetic supramolecular nanomedicine by immune cells in vivo, which can realise cell-hitchhiking delivery to solid tumours in targeted cancer therapies. The results were published in *Science Advances*.

A team led by Lu Jiahong, associate professor in the ICMS, developed an artificial intelligence-based virtual screening algorithm and a cross-species Alzheimer's disease (AD) drug verification platform, in collaboration with researchers at the University of Oslo in Norway, and Hangzhou Mindrank Technology Co, Ltd. The algorithm and the platform have identified several small-molecule compounds with therapeutic potential against AD. The results were published in *Nature Biomedical Engineering*.

應用物理及材料工程研究院曲松楠教授課題組提出熔合大共軛分子製備近紅外發光碳納米點的策略。將含有五個苯環的芘四酸酐分子與尿素分子通過溶劑熱縮合，首次合成了在水溶液中的主吸收峰和主發射峰均在近紅外波段的碳納米點，其近紅外發光效率創下記錄，高達 18.8%，成果獲《先進科學》刊登。

應用物理及材料工程研究院副教授吳嘉偉和王雙鵬的研究團隊提出一種新穎的電致變色電池基於鈦酸鋰 (Li₄Ti₅O₁₂) 電致變色材料與 Al³⁺/Zn²⁺ 離子的水系電解質。該體系使低成本、高安全性的水系電致變色電池的商業化成為可能，成果獲《ACS Nano》刊登。

應用物理及材料工程研究院許冠南副教授的團隊在鉀離子電池負極材料的研究中接連取得進展。研究團隊提出並利用磷及其磷實現更高的能量密度的同時還提升了電池的安全性，成果獲《先進功能材料》刊登。

應用物理及材料工程研究院周冰樸助理教授的團隊設計出一種兼具透氣性及防水功能的多孔電子皮膚，可靈敏感知及識別外界的壓力或拉力，成果獲《ACS Nano》刊登。

中華醫藥研究院副院長李銘源特聘教授的論文《全球衛生系統與中國合作的重要》獲《東遊中葡國別研究》刊登。

中華醫藥研究院副院長李銘源特聘教授、遵義醫科大學珠海校區崔國禎教授與蘇州大學武藝教授團隊合作的「抗血栓和心肌保護蛋白靶點的發現及候選新藥研究」項目獲頒貴州省自然科學三等獎。

中華醫藥研究院王瑞兵副教授的團隊開發了大腸桿菌外膜囊泡包被的超分子納米粒前體作為細菌仿生納米藥物，可靶向治療實體瘤，成果獲《科學進展》刊登。

中華醫藥研究院路嘉宏副教授的團隊與挪威奧斯陸大學和杭州德睿智藥科技有限公司合作，建立了一種基於人工智能融合多維分子資訊的虛擬篩選演算法，篩選出具有阿爾茲海默病治療潛力的中藥小分子化合物，成果獲《自然—生物醫學工程》刊登。

A team led by Wang Chunming, associate professor in the ICMS, designed a biomaterial that can preferentially support vascular endothelial cell adhesion and promote blood vessel growth and wound healing. The results were published in *Advanced Materials*.

Three multidisciplinary research teams led by Professor Yuan Zhen as well as Assistant Professors Wu Haiyan and Zhao Yonghua in the CCBS made several breakthroughs in cognitive neuroscience and brain diseases. These findings have been informative for a better understanding of the cognitive neural mechanisms of various cognitive functions and for the development of novel tools to treat various brain diseases. The results were published in *Cerebral Cortex*, *Neuroimage*, *Cortex*, *Materials Today Bio*, and *Clinical and Translational Medicine*.

A team led by Zhou Jiantao, associate professor in the State Key Laboratory of Internet of Things for Smart City (SKL-IOTSC) and a technical research team of Alibaba Security developed Fake Pictures Crusher, an image tampering detection technology, and has made it available to the public. The techniques involved were presented at the IEEE/CVF Computer Vision and Pattern Recognition Conference.

A team led by U Leong Hou, associate professor in the SKL-IOTSC and interim head of the Centre for Data Science, developed the 'Covid-19 Hotspot Map' during the epidemic in Macao. The system is now available to the public.

A research team in the IME proposed a new method for joint assessment of cell health, which can effectively and precisely assess cell by constructing a temperature-regulated electrical impedance sensing system to precisely measure cell viability and vitality. The results were published in *ACS Sensors* and the study was selected as the supplemental cover of the journal.

A paper, titled 'Revisiting the Frontiers of Analog and Mixed-Signal Integrated Circuits Architectures and Techniques towards the future Internet of Everything (IoE) Applications', written by a research team of the IME, presented state-of-the-art designs of the key building blocks of the analogue/digital interface, highlighting new and innovative circuit architectures and techniques. The paper was published in the journal *Foundations and Trends® in Integrated Circuits and Systems*.

IME published four papers and chips at IEEE International Solid-State Circuit Conference (ISSCC) in February 2022. UM presented 45 papers and chips at ISSCC over the past 12 years. ISSCC is the most prestigious conference in the field of integrated circuit design, representing the leading trend in solid-state circuit research and development worldwide.

IME students received the RFIC'2021 Student Paper Award 3rd Place – A 0.25pJ/b 56Gb/s PAM-4 CDR in 28nm (4x more power efficient than the 7nm industrial work reported in ISSCC'2019), making them four winners out of 13 world-class finalists.

中華醫藥研究院王春明副教授的團隊設計出一種生物材料，能夠優先支持血管內皮細胞粘附、促進血管生長和創傷癒合，成果獲《先進材料》刊登。

認知與腦科學研究中心由袁振教授、伍海燕助理教授及趙永華助理教授帶領的三個跨學科研究組在腦認知和腦疾病研究領域取得重要進展。研究有助深化對相關認知功能與腦疾病的神經機理的認識，並開發腦疾病干預新方法，成果獲《Cerebral Cortex》《Neuroimage》《Cortex》《Materials Today Bio》《Clinical and Translational Medicine》刊登。

智慧城市物聯網國家重點實驗室副教授周建濤的團隊與阿里巴巴安全公司的一個技術研究團隊共同開發了圖像篡改檢測技術 Fake Pictures Crusher，並已向公眾開放，涉及的技術於 IEEE/CVF 計算機視覺和模式識別會議上展示。

智慧城市物聯網國家重點實驗室副教授、數據科學研究中心代主任余亮豪的團隊在澳門疫情期間通過建設數字化防疫體系，開發「新冠疫情熱點分析系統」，並已向公眾開放。

微電子研究院團隊提出一種新的聯合評估細胞健康的方法，通過構建變溫調控的電阻抗傳感系統，就能精確測量細胞存活率和增殖活力，從而有效和精準地評估細胞健康狀態。研究成果獲期刊《ACS Sensors》刊登，並被選為期刊補充封面。

微電子研究院團隊的論文「面向未來萬物互聯應用的模擬和混合訊號集成電路架構和技術前沿的再探討」介紹了模擬 / 數字介面的最關鍵構件的最新設計，突出了新的和創新的電路結構和技術。論文獲期刊《集成電路和系統的基礎和趨勢》刊登。

微電子研究院 2022 年 2 月在國際電機電子工程師學會國際固態電路會議上發表了四篇論文及芯片。澳大連續 12 年在該會議發表了 45 篇相關論文及芯片，此會議是集成電路設計領域最高級別的會議，代表全球固態電路領域研發趨勢的領先風向。

微電子研究院獲得 IEEE 射頻集成電路研討會 (RFIC) 2021 學生論文獎第三名 - 28 納米的 0.25pJ/b 56Gb/s PAM-4 CDR (比於 ISSCC'2019 報告的 7 納米業界論文的功率效率高出四倍)。在 13 個世界級參選論文的決賽中，成為四個獲獎者之一。

Janny Leung, adjunct professor in the SKL-IOTSC and master of Choi Kai Yau College, was elected president of the International Federation of Operational Research Societies (IFORS) for the 2022-2024 term. She is the first person from China and the third person from Asia to be elected president of the IFORS.

Wu Qingqing, assistant professor in the SKL-IOTSC, received the 2021 Young Author Best Paper Award from the IEEE Communications Society.

A team consisting of three SKL-IOTSC members, namely PhD students Yu Peipei and Wang Zhenyi as well as postdoctoral researcher Hui Hongxun, won a first prize in the algorithm track and the only Best Innovation Award at a national competition on artificial intelligence application in power dispatching, under the guidance of UM Rector and Chair Professor Yonghua Song and Assistant Professor Zhang Hongcai.

A research team in the SKL-IOTSC won an Award of Excellence and a Best Mentor award at the 2021 X-Game Shanghai New Energy Vehicle Big Data Competition. The team was comprised of PhD student Kong Lingming and master's student Zhang Jinxi, as well as Assistant Professor Zhang Hongcai and Associate Professor Dai Ningyi, who acted as their mentors.

The Centre for Macau Studies and New York University Shanghai developed the Step by Step Digital Mental Health Programme and launched a related research project. The results were published in *Internet Interventions*.

An interdisciplinary team formed by 23 undergraduate students in the FHS, FBA, and FAH won a silver medal in the International Genetically Engineered Machine (iGEM) competition.

蔡繼有書院院長、智慧城市物聯網國家重點實驗室梁美兒客座教授當選 2022-2024 年國際運籌學會聯盟主席，成為該聯盟首位來自中國、第三位來自亞洲的主席。

智慧城市物聯網國家重點實驗室武慶慶助理教授獲 IEEE 通訊學會 2021 年青年學者最佳論文獎。

智慧城市物聯網國家重點實驗室博士生余佩佩、博士生王臻懿和博士後研究員惠紅勳組成的隊伍參與 2021 年電力調度 AI 應用大賽暨南網創新杯創新創業大賽，於演算法類賽道中獲一等獎和唯一創新獎。他們的導師為澳大校長宋永華講座教授和張洪財助理教授。

智慧城市物聯網國家重點實驗室研究團隊於 2021X-Game 上海新能源汽車大數據競賽獲優秀獎和最佳導師獎。博士生孔令明和碩士生張晉曦組隊參加，張洪財和戴寧怡助理教授副教授擔任導師。

澳門研究中心與上海紐約大學開發「一步步」心理健康應用程式，並啟動有關調研計劃成果獲《Internet Interventions》刊登。

健康科學學院、工商管理學院和人文學院 23 名本科生組成的跨學科隊伍於 2021 國際基因工程機器大賽 (iGEM) 奪得銀獎。

SCHOLARSHIPS, FELLOWSHIPS AND ACADEMIC PRIZES

獎學金、助學金 及學術獎項



Scholarships and Fellowships 獎、助學金

AAAUM Scholarship	澳門大學校友會獎學金
Cai Chenghan, Yao Yourong	蔡承翰、姚有容
Alumni Association of University of Macau Students' Union Scholarship for Best Student Leaders	澳門大學學生會校友會傑出學生領袖獎學金
Kong Ka Weng, Yang Yunhao	鄺嘉穎、楊運浩
ASHRAE Macao Chapter Scholarship	ASHRAE 澳門分會—供暖製冷及空調工程師學會獎學金
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China Life Scholarship for Best Student Leaders	中國人壽傑出學生領袖獎學金
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Macao Water Scholarship

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Macau Foundation Scholarship

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Macau International Airport Company Limited Scholarship

Ji Xu, Liu Ziyi, Shi Yiming, Su Shengying, Yang Congyue

Mak Heng Ip Law Firm Scholarship

Seng Lisa

Manulife Scholarship

Fan Tingxuan, Nie Yaqi

MdME Excellence Scholarship

Chan Weng Si, Kong Ka Weng

MECOM Power - Hung Yip Group Scholarship

Chan Weng Chon, Fung Hoi Io, Lee Ian Chon, Leong Kin Chong, Ma Chi Iao, Sio Ka Hin

MGM Elite Scholarship

Chan Kin, Chen Yuqing, Cheong Cheng Hou, Ian Chi Fong, Li Kei Cheong, Mak Sio Lam, Tam Hoi Chon, Teng Weng Weng, Tso Chon In, Wong Hou In

Nam Kwong Education Scholarship

Chen Un Lok, Chen Yifan, Deng Ximeng, He Jiayi, Huang Keche, Li Weng Hei, Liang Xiaofan, Lu Yingqian, Pang Lam, Si Pui Lam, Wu Di, Xu Ke, Xu Rongjia, Zhang Luolin, Zhu Dingchen

Nuno Simões & Associados Scholarship

Ho Im Mei, Wan Chin Wai, Wong Chi Tou, Yau Michelle Kwok Xi

澳門自來水有限公司獎學金

陳銘先、陳宇航

澳門基金會優秀在讀學生獎學金

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Bank of China Academic Prize

Chan I Fong, Cheng Shiyuan, Kong Sau Peng, Ma Shiyin, Pan Ranyan, Yang Hou Pan, Yang Wansong, Zhu Minghui

BNU Academic Prize

Lan Yijia, Lin Yuxin, Wong Man, Yang Jingyuan

Choi Kai Yau Academic Prize

Guo Yanzhi, Iao Ka Lei, Lei Wanjun, Li Kexin, Luo Yixuan, Yao Zhaoyu

ERS Academic Prize

Liu Yuqing, Yao Yutong

Henry Fok Foundation Academic Prize

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ICBC Macau Academic Prize

Ao Hoi In, Huang Yaqi, Lao Wa Fai, Lei Un Kuan, Liu Yonger

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Hu Song, Liang Xiaofan

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Lou Tou Vo Mathematics Academic Prize

Ma Yijia, Pan Shijie

Luso International Bank Academic Prize

Cai Mingxuan, Fu Yao, Liu Bochen, Wong Chak Cheng, Xu Jiajie

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工銀澳門優才學術獎項

區海燕、黃雅琪、劉鏘輝、李婉君、劉泳兒

歐維治基金會學術獎項

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澳門國際銀行學術獎項

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