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AWARDEES

Dr Man Chun CHIU, School of Clinical Medicine

A bipotential organoid model of respiratory epithelium recapitulates high infectivity of SARS-CoV-2 Omicron variant. Man Chun Chiu, Cun Li, Xiaojuan Liu, Yifei Yu, Jingjing Huang, Zhixin Wan, Ding Xiao, Hin Chu, Jian-Piao Cai, Biao Zhou, Ko-Yung Sit, Wing-Kuk Au, Kenneth Kak-Yuen Wong, Gang Li, Jasper Fuk-Woo Chan, Kelvin Kai-Wang To, Zhiwei Chen, Shibo Jiang, Hans Clevers, Kwok Yung Yuen & Jie Zhou, *Cell Discovery*, 8, 57(2022).

Mr Huanqing CUI, Department of Mechanical Engineering

Dynamic Assembly of Viscoelastic Networks by Aqueous Liquid–Liquid Phase Separation and Liquid–Solid Phase Separation (AqLL–LS PS²). Huanqing Cui, Yage Zhang, Yinan Shen, Shiwei Zhu, Jingxuan Tian, Qingchuan Li, Yi Shen, Sihan Liu, Yang Cao, Ho Cheung Shum, *Advanced Materials*, 2022, 34(51).

Mr Beibei HE, Department of Chemistry

Expanded Sequence Space of Radical S-Adenosylmethionine-Dependent Enzymes Involved in Post-translational Macrocyclization. Bei-Bei He, Zhuo Cheng, Zheng Zhong, Ying Gao, Hongyan Liu, Yong-Xin Li, *Angewandte Chemie International Edition*, 2022, 61(48), e202212447.



Mr Bingjie HU, School of Clinical Medicine

Attenuated replication and pathogenicity of SARS-CoV-2 B.1.1.529 Omicron. Huiping Shuai, Jasper Fuk-Woo Chan, Bingjie Hu, Yue Chai, Terrence Tsz-Tai Yuen, Feifei Yin, Xiner Huang, Chaemin Yoon, Jing-Chu Hu, Huan Liu, Jialu Shi, Yuanchen Liu, Tianrenzheng Zhu, Jinjin Zhang, Yuxin Hou, Yixin Wang, Lu Lu, Jian-Piao Cai, Anna Jinxia Zhang, Jie Zhou, Shuofeng Yuan, Melinda A. Brindley, Bao-Zhong Zhang, Jian-Dong Huang, Kelvin Kai-Wang To, Kwok-Yung Yuen & Hin Chu, *Nature*, 2022, 603, pp693-699.

Dr Feng HU, School of Biomedical Sciences

DEPDC1B Promotes Melanoma Angiogenesis and Metastasis through Sequestration of Ubiquitin Ligase CDC16 to Stabilize Secreted SCUBE3. Feng Hu, Ki On Fong, May Pui Lai Cheung, Jessica Aijia Liu, Rui Liang, Tsz Wai Li, Rakesh Sharma, Philip Pun-Ching IP, Xintao Yang, Martin Cheung, *Advanced Science*, 2022, 9(10).

Miss Kee Wah LEONG, Department of Mechanical Engineering

Reversibility of a High-Voltage, Cl⁻-Regulated, Aqueous Mg Metal Battery Enabled by a Water-in-Salt Electrolyte. Kee Wah Leong, Wending Pan, Yifei Wang, Shijing Luo, Xiaolong Zhao, and Dennis Y. C. Leung, *ACS Energy Letters*, 2022, 7(8), pp2657-2666.

Mr Maosu LI, Department of Urban Planning and Design

A room with a view: Automatic assessment of window views for high-rise high-density areas using City Information Models and deep transfer learning. Maosu Li, Fan Xue, Yijie Wu, Anthony G.O. Yeh, *Landscape and Urban Planning*, 226(2022), 104505.

Miss Yuebing LIANG, Department of Urban Planning and Design

Memory-augmented dynamic graph convolution networks for traffic data imputation with diverse missing patterns. Yuebing Liang, Zhan Zhao, Lijun Sun, *Transportation Research Part C: Emerging Technologies*, 143(2022), 103826.

Miss Yun LIN, School of Public Health

Incorporating temporal distribution of population-level viral load enables real-time estimation of COVID-19 transmission. Yun Lin, Bingyi Yang, Sarah Cobey, Eric H. Y. Lau, Dillon C. Adam, Jessica Y. Wong, Helen S. Bond, Justin K. Cheung, Faith Ho, Huizhi Gao, Sheikh Taslim Ali, Nancy H. L. Leung, Tim K. Tsang, Peng Wu, Gabriel M. Leung & Benjamin J. Cowling, *Nature Communications*, 13, 1155(2022).

Mr Chun Yin LIU, School of Humanities

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Miss Hui LIU, Department of Electrical and Electronic Engineering

Realizing High-Detectivity Near-Infrared Photodetectors in Tin-Lead Perovskites by Double-Sided Surface-Preferred Distribution of Multifunctional Tin Thiocyanate Additive. Hui Liu, Lu Zhu, Hong Zhang, Xinjun He, Feng Yan, Kam Sing Wong, and Wallace C. H. Choy, *ACS Energy Letters*, 2023, 8(1), pp577-589. First published on December 19, 2022.

Miss Jinhong LIU, School of Biological Sciences

Bioenergetics of pollen tube growth in *Arabidopsis thaliana* revealed by ratiometric genetically encoded biosensors. Jinhong Liu, Shey-Li Lim, Jia Yi Zhong & Boon Leong Lim, *Nature Communications*, 13, 7822(2022).

Miss Jiahui LUO, Faculty of Education

Qualitative methods to assess intercultural competence in higher education research: A systematic review with practical implications. Jiahui Luo, Cecilia Ka Yuk Chan, *Educational Research Review*, 37(2022), 100476.

Mr Ruibin MAO, Department of Electrical and Electronic Engineering

Experimentally validated memristive memory augmented neural network with efficient hashing and similarity search. Ruibin Mao, Bo Wen, Arman Kazemi, Yahui Zhao, Ann Franchesca Laguna, Rui Lin, Ngai Wong, Michael Niemier, X. Sharon Hu, Xia Sheng, Catherine E. Graves, John Paul Strachan & Can Li, *Nature Communications*, 13, 6284(2022).

Mr Chon Phin ONG, School of Biomedical Sciences

Comparative analysis of SARS-CoV-2 Omicron BA.2.12.1 and BA.5.2 variants. Chon Phin Ong, Zi-Wei Ye, Kaiming Tang, Ronghui Liang, Yubin Xie, Hongzhuo Zhang, Zhenzhi Qin, Haoran Sun, Tong-Yun Wang, Yun Cheng, Hin Chu, Jasper F.-W. Chan, Dong-Yan Jin, Shuofeng Yuan, *Journal of Medical Virology*, 2023, 95(1), e28326. First published on November 21, 2022.

Miss Ngai Yung Nicole TSANG, School of Public Health

Effectiveness of BNT162b2 and CoronaVac COVID-19 vaccination against asymptomatic and symptomatic infection of SARS-CoV-2 omicron BA.2 in Hong Kong: a prospective cohort study. Nicole Ngai Yung Tsang, Hau Chi So, Benjamin J Cowling, Gabriel M Leung, Dennis Kai Ming Ip, *The Lancet Infectious Diseases*, 2023, 23(4), pp421-434. Published online on December 12, 2022.

Mr Yizhou WANG, Department of Social Work and Social Administration

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Mr Xu ZHANG, Department of Geography

Bridging the gap between GRACE and GRACE-FO using a hydrological model. Xu Zhang, Jinbao Li, Qianjin Dong, Zifeng Wang, Han Zhang, Xiaofeng Liu, *Science of the Total Environment*, 822(2022), 153659.

Mr Hongyu ZHOU, Department of Computer Science

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Mr Yan ZHU, Department of Computer Science

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