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January 2023



10 Scientists from CSCI Listed as Clarivate's Highly Cited Researchers 2022

10 distinguished scientists from the College of Science have been listed as Clarivate's Highly Cited Researchers 2022. Also, 29 faculty members and 8 Emeritus/Honorary/Visiting Distinguished Professors have been listed among the top 2% of the world's most highly cited scientists in the latest report of Stanford University released in 2022. [Read more](#)

News



CSCI Shines in Global Rankings in Science Subjects

There are some great leaps in science subjects' recent global rankings in which the College of Science has played a very important part. According to the World University Rankings 2023 released by Times Higher Education (THE), CityU leaps forward from last year's 101-125th to 74th place worldwide in Physical Sciences. And according to the subject rankings under the Best Global Universities Rankings 2023 announced by the U.S. News & World Report, CityU ranks among the top 20 in Physical

Chemistry, Condensed Matter Physics and Optics. [Read more](#)

CityU's 5th HK Tech Forum Investigates Quantum Physics and Complex Systems

Leading academic and industry researchers in quantum computation, quantum physics, and related areas gathered at the HK Tech Forum on Quantum Physics and Complex Systems hosted by the Hong Kong Institute for Advanced Study at CityU from 7 to 9 December 2022. This forum provides an arena for world-leading scientists to discuss complex systems, including spin glasses, neural networks, proteins, and related problems. 4 Chair Professors of Physics at CityU were the Co-Chairs. [Read more](#)

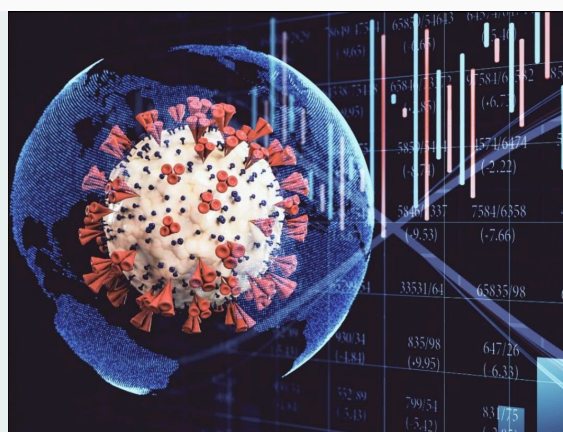


CHEM Partners with GIA and Introduces New Elective Course

Department of Chemistry partners with Gemological Institute of America (GIA) Hong Kong Limited and introduces a new elective course "Gemological Science" to Chemistry students. No local university currently provides proper and systematic training for graduates working in the gemology industry. A Memorandum of Understanding Signing Ceremony was held on 22 November 2022. [Read more](#)

New Research Postgraduate Programmes in Biostatistics Open for Application

The Doctor of Philosophy and Master of Philosophy programmes offered by the Department of Biostatistics are open for application. The programmes aim to prepare students with an excellent background in mathematics, statistics, computer science, social sciences, or other quantitative disciplines to become expert biostatisticians in academia, government or industry. Furthermore, they provide comprehensive training in biostatistics methodology and practice, to groom independent and innovative researchers.



Achievements

Congratulations to our faculty members
on being awarded
The President's Awards 2022



Prof. Alex Jen

Prof. Kenneth Leung

Dr. Zonglong Zhu

Three Faculty Members Received The President's Awards 2022

Professor Alex Jen, Professor Kenneth Leung and Dr. Zonglong Zhu from the Department of Chemistry have received the President's Awards 2022 for the remarkable achievements in their respective academic arena in support of the University's enhancement and development. [Read more](#)

Professor Xun-Li Wang Elected International Councilor of the American Physical Society

Professor Xun-Li Wang, Head and Chair Professor of the Department of Physics and Executive Director of the Hong Kong Institute for Advanced Study of CityU was elected the International Councilor of the American Physical Society (APS). He will serve a four-year term starting from 1 January 2023. He has been a Fellow of the APS since 2010. [Read more](#)



Dr. Maria Babak Received the Graeme Hanson AsBIC Early Career Researcher Award 2022

Dr. Maria Babak, Assistant Professor of the Department of Chemistry, recently received the Graeme Hanson AsBIC Early Career Researcher Award 2022, presented by the Society of Biological Inorganic Chemistry. This award recognises scientists in the Asia Pacific region who are creating scientific impact at the beginning of their careers. Up to two awards will be presented every alternate year. [Read more](#)

Students Achieving Good Results in Mathematics Competitions

Chun Keung Yeung and Chun Wun Cheng, two students from the Department of Mathematics achieved Top Quartile for Individuals and Top Quartile for Pairs respectively in the 2022 Simon Marais Mathematics Competition (SMMC). Zhenda Shen and Tianxing Sun, another two Maths students teamed up with a Data Science student and won the First Prize in the Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM) 2022. [Read more](#)



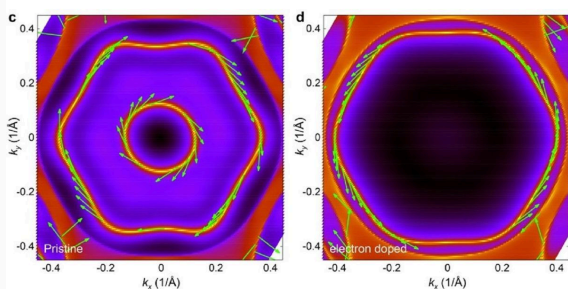
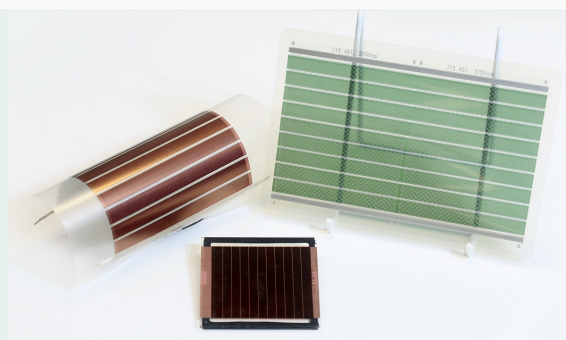
Bronze Medal Won in the 2022 iGEM Competition

The team "SeCure", comprising 7 undergraduate students from the Department of Chemistry and other students, won the Bronze Medal in the 2022 International Genetically Engineered Machine (iGEM) Competition. The team was working on the development of novel anticancer drugs for resistant colon cancers based on natural products that were isolated from genetically modified fungi. [Read more](#)

Research

Record-breaking Efficiency for Organic Photovoltaics

A research team led by Professor Alex Jen, Lee Shau Kee Chair Professor of Materials Science and Director of the Hong Kong Institute for Clean Energy at CityU, invented a novel device-engineering strategy to successfully suppress the energy conversion loss, achieving record-breaking efficiency for organic photovoltaics. [Read more](#)

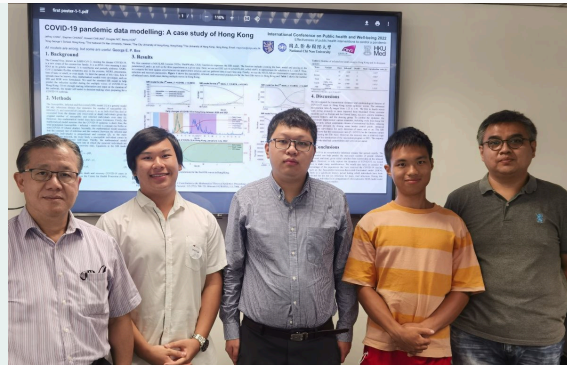


“Kagome” Metallic Crystal Adds New Spin to Electronics

A multinational team of researchers, co-led by Dr. Junzhang Ma, Assistant Professor in the Department of Physics, has found that a novel metallic crystal displays unusual electronic behaviour on its surface, thanks to the crystal’s unique atomic structure. This paper and another paper that Dr. Ma also contributed in, which is about unconventional superconductivity, were both published in *Science Advances*. [Read more](#)

Research Paper Participation by Maths Student

Under the supervision of Professor Benny Hon, Maths student Howard Cheung participated in publishing a paper in *Frontiers in Public Health*, on research findings of COVID-19 infections in Hong Kong, in collaboration with HKU Li Ka Shing Faculty of Medicine and National Chi Nan University. The journal paper has got an excellent citation rate. Poster presentations were also accepted to the 4th International Conference on Public Health and Well-being 2022.



College of Science, City University of Hong Kong

T: (852) 3442 4567 | E: csci.office@cityu.edu.hk | W: <https://www.cityu.edu.hk/csci>

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