2021–22
Science Faculty
Postgraduate Research Day
14 DEC 2021
0915 – 1600 · LSK LT6

Impacts of Changes in Land Use, Climate, and Anthropogenic Emissions on Global Air Quality by the Mid-21st Century Following the Shared Socioeconomic Pathways
BHATTARAI Hemraj (Earth & Atmospheric Sciences)

Enormous Water Input in the Southern Mariana Subduction Zone: Seismic Evidence Derived from Ocean Bottom Seismographic Experiments
CHEN Han (Earth & Atmospheric Sciences)

Testing Variance Change under Varying Mean Structure
LEUNG Cheuk Wai Dominic (Risk Management Science)

scAMACE: Model-Based Approach to the Joint Analysis of Single-Cell Data on Chromatin Accessibility, Gene Expression and Methylation
WANGWU Jiaxuan (Statistics)

A New Analytical Lens Focusing on Interstellar Turbulence
YEUNG Cheung Hei (Physics)

Three-Loop Braiding Statistics for Fermionic Topological Phases
ZHOU Jingren (Physics)

Peterson Isomorphism and Seidel Representations
CHOW Chi Hong (Mathematics)

Beating the Saturation Phenomenon of Stochastic Gradient Descent
ZHOU Zehui (Mathematics)

Development of Advanced Photodynamic Molecular Beacons with Multiple Controls for Targeted Photodynamic Therapy
TAM Ka Bo (Chemistry)

Gold-in-copper at Low \(^{12} \text{CO} \) Coverage Enables Efficient Electromethanation of CO\(_2\)
XIE Yi (Chemistry)

Evolutionary Landscape of Non-canonical RNA G-Quadruplexes: Hidden Side of a Versatile Structural Element
CHOW Yui Ching (Cell & Molecular Biology)

Characterization of Extracellular Vesicles (EVs) and EXPO in Plant
GAO Jiayang (Cell & Molecular Biology)

Priming-Induced Alterations in Histone Modifications Modulate Transcriptional Responses in Soybean under Salt Stress
YUNG Wai Shing (Molecular Biotechnology)

The Neuronal Adaptor FE65 Potentiates ARF6-Mediated Neurite Outgrowth by the Activation of ARNO
Zhai Yuqi (Cell & Molecular Biology)