





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)



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



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



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



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



Gold-in-copper at Low *CO Coverage Enables Efficient Electromethanation of CO₂ XIE Yi (Chemistry)



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



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



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



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



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



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



Peterson Isomorphism and Seidel Representations CHOW Chi Hong (Mathematics)



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