



## *RGC Research Fellow Scheme (RFS) – List of Awardees (2022/23)*

<b>Awardee*</b>	<b>University</b>	<b>Project Title</b>
Dr AN, Kyoung Jin	<i>City University of Hong Kong</i>	Enhancing Membrane Distillation's Potential for Water Reuse and Zero Liquid Discharge: An Energy-efficient and Hypersaline-stable Membrane
Dr CHAN, Wai Yan	<i>City University of Hong Kong</i>	Non-invasive CEST MRI Detects Reduced CSF Clearance in the Brain for Early Diagnosis of Alzheimer's Disease
Dr HEW, Khe Foon	<i>The University of Hong Kong</i>	Towards a Chatbot Supported Self-regulated Learning (SRL) Recommender System in Online Learning Activities
Dr LI, Jianfeng	<i>Hong Kong Baptist University</i>	Coupling Traditional and Non-traditional Data for Understanding Intra-urban Hydrometeorological Extremes
Dr LIU, Chunhua	<i>City University of Hong Kong</i>	Development of Advanced Electric Machines and Smart Power Drives for Electric Propulsion

\* Each RFS awardee is funded with a fellowship grant of \$5,155,380 over a period of 60 months to conduct the RFS project





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<b>Awardee*</b>	<b>University</b>	<b>Project Title</b>
Prof LU, Yi-chun	<i>The Chinese University of Hong Kong</i>	Polysulfide-based Aqueous Redox Flow Batteries with High Stability and High-Power Density for Low-Cost and Long-Duration Energy Storage
Dr LUI, Kathy Oi-lan	<i>The Chinese University of Hong Kong</i>	Molecular Mechanisms Underlying T-cell Regulation of Vascular Disease, Repair and Regeneration
Dr MA, Guancong	<i>Hong Kong Baptist University</i>	Exceptional Topology in Non-Hermitian Systems
Dr YASUHARA, Moriaki	<i>The University of Hong Kong</i>	Time Machine Biology and the Development of AI-based Automatic Identifications in Hong Kong: Paleobiology to Better Understand Biodiversity of Marine Ecosystems
Dr ZHANG, Shizhong	<i>The University of Hong Kong</i>	Quantum Gases with High Partial-Wave Scattering

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