

***Prof. Qing Chen***

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**Prof. Qing Chen** is currently Assistant Professor at the Department of Mechanical and Aerospace Engineering, and the Department of Chemistry, HKUST. He is also a core member of the Energy Institute. He graduated from Zhejiang University with a bachelor's degree in Polymer Science, and then attained his PhD degree in Materials Science from Arizona State University. Before joining HKUST, he was a postdoc at Harvard University.

## **Materials Science behind Electrochemistry**

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Our lab's research interests lie at the crossroad of materials science and electrochemistry. In particular, we strive to understand phenomena of materials science underlying electrochemical reactions, including electrochemically driven structural evolution and structure-property relationships that enable reversible electrochemical reactions. In this presentation, we will introduce our research directions on nanoporous metal fabrications via electrochemical selective dissolution and the selection and design of organic and metalorganic compounds for redox flow batteries.