



香港大學

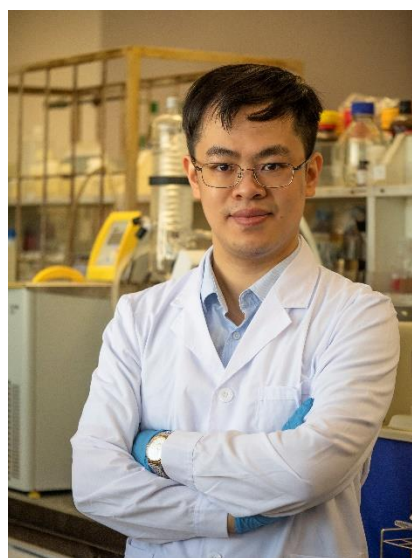
THE UNIVERSITY OF HONG KONG

**Dr Jian HE**

**Assistant Professor, Department of Chemistry and  
State Key Laboratory of Synthetic Chemistry  
Faculty of Science, The University of Hong Kong**

### **Biography**

Dr He obtained his Bachelor of Science degree from Zhejiang University in 2011. Afterwards, he moved to the Scripps Research Institute (TSRI) as a TSRI Dean's fellow and began his graduate studies under the supervision of Professor Jin-Quan Yu. He co-authored more than 20 research publications in the Yu laboratory, including eight first-author papers published in *Science*, *JACS*, *Angewandte Chemie*, and *Chemical Reviews*. After finishing his two-year postdoctoral work on photocatalysis in the research group of Professor Jonas C. Peters at the California Institute of Technology, Dr He became an Assistant Professor at The University of Hong Kong in 2019.



Dr He's current research lies at the interface between organic chemistry, inorganic chemistry, and materials science, with a focus on the design of novel metal-organic framework and cluster-based catalysts for organic synthesis. In the past two years, the HE lab has developed several robust heterogeneous copper catalysts that significantly promote radical coupling reactions under photochemical or electrochemical conditions. Dr He and his team are also developing new catalytic systems for CO<sub>2</sub> reduction, with the help of transition-metal nanoclusters.

### **Awards and Honours**

Croucher Innovation Award	2021
2017 IUPAC-Solvay Honorable Mention Prize	2017
Chinese Government Award for Outstanding Self-Financed Students Abroad	2015
ACS Division of Organic Chemistry Travel Award	2015
Reaxys PhD Prize, Finalist, Elsevier	2015
International Precious Metals Institute Student Award	2015
The Alfred R. Bader Award for Student Innovation	2014