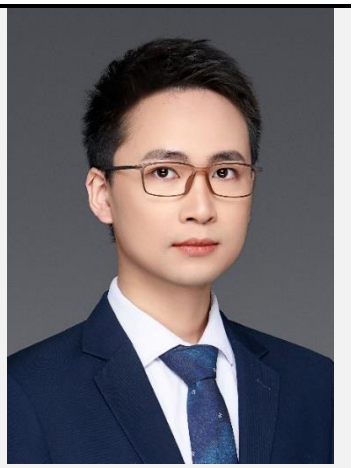

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Xiang Chen gained his Bachelor's and Ph.D. degrees from the Department of Chemical Engineering at Tsinghua University in 2016 and 2021, respectively. Then, he was a Shuimu Tsinghua Scholar at Tsinghua University. Currently, he is an associate professor at Tsinghua University. His research interests focus on understanding the chemical mechanism and materials science in rechargeable batteries, mainly through multi-scale simulations, artificial intelligence, and chemical robots. He has published more than sixty (co)-first-author papers in Chem. Rev., Chem. Soc. Rev., Acc. Chem. Res., Sci. Adv., Chem, Angew. Chem., J. Am. Chem. Soc., J. Energy Chem., Fundam. Res. et al., with more than 28000 citations and an h-index of 88. He has been rewarded the 2023 MIT TR35 Asia Pacific and the Clarivate Highly Cited Researchers from 2020 to 2025. He is supported by the National Natural Science Foundation of China for Excellent Young Scholars and the Young Elite Scientists Sponsorship Program by CAST. He has reviewed more than 200 papers for high-impact journals such as Nature, Nat. Chem., Nat. Catal., Nat. Commun., Angew. Chem., Adv. Mater., and Joule.