

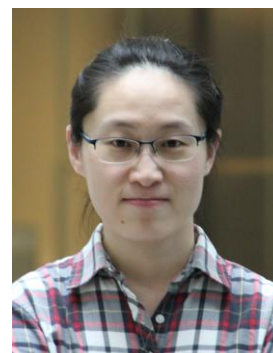
Xue Wang

Affiliation: School of Energy and Environment, City University of Hong Kong

Address: 83 Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong

E-mail: xue.wang@cityu.edu.hk

Website: xuewang-research.com



Education

2009 – 2015 Ph. D. Xiamen University (Chemistry)

2013 – 2015 Visting graduate student Georgia Institute of Technology (Chemistry)

2005 – 2009 B. S. Liaoning University (Chemistry)

Professional Career

2023-now Assistant Professor, School of Energy and Environment, City University of Hong Kong, Hong Kong SAR

2023-now Assistant Professor, Department of Materials Science Engineering (affiliate), City University of Hong Kong, Hong Kong SAR

2017-2022 Postdoctoral fellow, University of Toronto, Canada

2016-2017 Associate Professor, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, China

Selected Publications (#equal contribution, *corresponding author)

1. **Wang, X.**[#]; Li, P.[#]; Tam, J.; Howe, J. Y.; O'Brien, C. P.; Rasouli, A. S.; Miao, R. K.; Liu, Y.; Ozden, A.; Xie, K.; Wu, J.; Sinton D.; Sargent E. H.* Efficient CO and acrolein co-production via paired electrolysis. *Nature Sustainability* 2024, 7, 931-937.
2. Zhao, Z.[#]; Tan, C.[#]; Sun, P.; Li, F.*; **Wang, X.*** Electrochemical CO₂-to-CO via enriched oxygen vacancies at gold/ceria interfaces. *J. Mater. Chem. A* 2024, 12, 21716-21722.
3. **Wang, X.**[#]; Ou, P.[#]; Ozden, A.; Hung, S.-F.; Tam J.; Gabardo C. M.; Howe, J. Y.; Sisler J.; Bertens, K.; de Arquer, F. P. G.; Miao, R. K.; O'Brien, C. P.; Wang, Z.; Abed, J.; Rasouli, A. S.; Sun, M.; Ip, A. H.; Sinton, D.; Sargent, E. H.* Efficient electrosynthesis of n-propanol from carbon monoxide using a Ag-Ru-Cu catalyst. *Nature Energy* 2022, 7, 170-176.
4. **Wang, X.**[#]; Wang, Z.[#]; de Arquer, F. P. G.; Dinh, C. -T.; Ozden, A.; Li, Y. C.; Nam, D. -H.; Li, J.; Liu, Y. -S.; Wicks, J.; Chen, Z.; Chi, M.; Chen, B.; Wang, Y.; Tam, J.; Howe, J.; Proppe, A.; Todorovic, P.; Li, F.; Zhuang, T.; Gabardo, C. M.; Krimani, A.; McCallum, C.; Lum, Y.; Luo, M.; Min, Y.; Xu, A.; O'Brien, C. P.; Stephen, B.; Sun, B.; Ip, A. H.; Richter, L.; Kelley, S.; Sinton, D.; Sargent, E. H.* Efficient electrically powered CO₂-to-ethanol via suppression of deoxygenation. *Nature Energy* 2020, 5, 478-486.

Research Interests

Electrocatalysis, Nanomaterials, CO₂ Electroreduction, Chemicals/Fuels Electrosynthesis, Reaction Engineering

Awards

Emerging Investigator, by Journal of Materials Chemistry A	2024
World's Top 2% Scientists, by Stanford University	2023, 2024
Future Chemical Engineering Scholar (6-8 winners/year globally), Global Academy of Chinese Chemical Engineers	2023
IAAM Scientist Medal, International Association of Advanced Materials	2023
Early Career Scheme Award, Research Grants Council (RGC) of Hong Kong	2023