

Liang Feng, Ph.D.

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Department of Chemistry, Northwestern University

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Education

Texas A&M University (2016 - 2020)

Ph.D. in Chemistry

Wuhan University (2012 - 2016)

B.S. in Chemistry

Research Experiences

Northwestern University

Advisor: Prof. **Fraser Stoddart**

Postdoctoral Fellow

Sept. 2020 to present

Texas A&M University

Advisor: Prof. **Hong-Cai Zhou**

Graduate Research Assistant

Sept. 2016 to Aug. 2020

King Abdullah University of Science and Technology

Advisor: Prof. **Mohamed Eddaoudi**

Visiting Researcher

Feb. 2016 to Jun. 2016

University of California, Los Angeles

Advisor: Prof. **Louis Bouchard**

Visiting Researcher

Jul. 2015 to Sept. 2015

Wuhan University

Advisor: Prof. **Hexiang Deng**

Undergraduate Research Assistant

Jan. 2014 to Jan. 2016

Honors and Awards

Reaxys PhD Prize Finalist, Elsevier 2020

Graduate Student Award, Materials Research Society 2020

Chinese Government Award for Outstanding Self-Financed Students Abroad, CSC 2020

Distinguished Graduate Student Award, Association of Former Students, Texas A&M University 2020

Science as Art Finalists, Materials Research Society 2020

Dow Chemical Company Charlene Black Miller '79 Endowed Memorial Fellowship in Chemistry 2020

Travel Grants for Early Career Scientists, RSC Materials Chemistry Division 2020

Derek & Christiane Barton Graduate Endowed Fellowship, Texas A&M University 2019

JEMS Scholarship for Collaborative Research in Chemistry, Texas A&M University 2019

Martin Corera Memorial Graduate Student Travel Award in Chemistry, Texas A&M University 2019

Student Travel Award, ACS Division of Inorganic Chemistry (DIC) 2019

OGAPS Graduate Student Research and Presentation Travel Award, Texas A&M University 2019

Visiting Student Research Program (VSRP) Research Scholarship, KAUST 2015

Cross-disciplinary Scholars in Science & Technology (CSST) Research Scholarship, UCLA 2015

Gold Award, Wiley Online Library Best Paper Writing Contest 2015

Selected Publications

‡ equal contribution

- Lo, S.-H.‡, **Feng, L.**‡; Tan, K.; Huang, Z.; Yuan, S.; Wang, K.; Li, B.-H.; Liu, W.-L.; Day, G. S.; Tao, S.; Yang, C.-C.; Luo, T.-T.; Lin, C.-H.; Wang, S.-L.; Billinge, S.; Lu, K.-L.; Chabal, Y.-J.; Zou, X.; Zhou, H.-C., *Nat. Chem.* **2020**, *12*, 90–97.
- Feng, L.**‡; Wang, K.-Y.‡; Day, G. S.; Zhou, H.-C., *Chem. Soc. Rev.* **2019**, *48*, 4823–4853.
- Kirchon, A.‡; **Feng, L.**‡; Drake, H. F.‡; Joseph, E. A.; Zhou, H.-C., *Chem. Soc. Rev.* **2018**, *47*, 8611–8638.
- Feng, L.**; Yuan, S.; Zhang, L.-L.; Tan, K.; Li, J.-L.; Kirchon, A.; Liu, L.-M.; Zhang, P.; Han, Y.; Chabal, Y. J.; Zhou, H.-C., *J. Am. Chem. Soc.* **2018**, *140* (6), 2363–2372.

5. **Feng, L.**; Lv, X.-L.; Yan, T.-H.; Zhou, H.-C., *J. Am. Chem. Soc.* **2019**, *141* (26), 10342-10349 (Highlighted by DOE Energy Frontier Research Center websites, Aug. 2019).
6. **Feng, L.**; Wang, K.; Lv, X.-L.; Powell, J.; Yan, T.; Willman, J.; Zhou, H.-C., *J. Am. Chem. Soc.* **2019**, *141*, 37, 14524-14529.
7. **Feng, L.**; Wang, K.-Y.; Lv, X.-L.; Yan, T.-H.; Li, J.-R.; Zhou, H.-C., *J. Am. Chem. Soc.* **2020**, *142* (6), 3069-3076.
8. Wang, Y.[‡]; **Feng, L.**[‡]; Fan, W.; Wang, K.; Wang, X.; Wang, X.; Zhang, K.; Zhang, X.; Dai, F.; Sun, D.; Zhou, H.-C., *J. Am. Chem. Soc.* **2019**, *141*, 17, 6967-6975 (**Back Cover**).
9. **Feng, L.**; Yuan, S.; Li, J.-L.; Wang, K.-Y.; Day, G. S.; Zhang, P.; Wang, Y.; Zhou, H.-C., *ACS Cent. Sci.* **2018**, *4*, 12, 1719-1726 (**Front Cover**, Rank 6 of most downloaded articles in Dec. 2018).
10. **Feng, L.**[‡]; Wang, K.-Y.[‡]; Willman, J.; Zhou, H.-C., *ACS Cent. Sci.* **2020**, *6*, 3, 359-367.
11. **Feng, L.**; Li, J.; Day, G. S.; Lv, X.-L.; Zhou, H.-C., *Chem*, **2019**, *5*, 1265-1274.
12. **Feng, L.**; Wang, K.-Y.; Yan, T.-H.; Zhou, H.-C., *Chem*, **2020**, *6*, 460-471.
13. **Feng, L.**; Yuan, S.; Qin, J.-S.; Wang, Y.; Kirchon, A.; Qiu, D.; Cheng, L.; Madrahimov, S.; Zhou, H.-C., *Matter*, **2019**, *1*, 156-167 (The **First** Accepted Article Since the Launch; Previewed by *Matter*, **2019**, *1*, 17-38).
14. **Feng, L.**[‡]; Wang, K.-Y.[‡]; Powell, J.; Zhou, H.-C., *Matter*, **2019**, *1*, 801-824 (Rank 1 of most read articles in Oct. 2019).
15. **Feng, L.**[‡]; Lo, S.-H.[‡]; Tan, K.; Li, B.-H.; Yuan, S.; Lin, Y.-F.; Lin, C.-H.; Wang, S.-L.; Lu, K.-L.; Zhou, H.-C., *Matter*, **2020**, *2*, 988-999.
16. **Feng, L.**[‡]; Wang, Y.[‡]; Zhang, K.; Wang, K.-Y.; Fan, W.; Wang, X.; Powell, J. A.; Guo, B.; Dai, F.; Zhang, L.; Wang, R.; Sun, D.; Zhou, H.-C., *Angew. Chem. Int. Ed.*, **2019**, *58*, 16682-16691 (Selected as *Very Important Paper* VIP, Top 5%, highlighted by *ChemistryViews*).
17. **Feng, L.**[‡]; Wang, K.-Y.[‡]; Joseph, E.; Zhou, H.-C., *Trends Chem.*, **2020**, *2*, 6, 555-568 (**Front Cover**).
18. **Feng, L.**[‡]; Wang, Y.[‡]; Yuan, S.; Wang, K.; Li, J.; Day, G. S.; Qiu, D.; Cheng, L.; Chen, W.; Madrahimov, S.; Zhou, H.-C., *ACS Catal.* **2019**, *9* (6), 5111-5118 (**Back Cover**).
19. **Feng, L.**; Wang, K.-Y.; Lv, X.-L.; Yan, T.-H.; Zhou, H.-C., *Nat. Sci. Rev.* DOI:10.1093/nsr/nwz170 (highlighted by *EurekAlert!*).
20. **Feng, L.**; Wang, K.-Y.; Yan, T.-H.; Zhou, H.-C., *Chem. Sci.* **2020**, *11*, 1643-1648.

[‡] equal contribution

Selected Presentations

1. Pore Engineering by Exploiting Lability in Stable MOFs, **School on Reticular Chemistry**: description and design of framework materials, *Stockholm, Sweden*, Mar. 27, 2019
2. Design and Construction of Multivariate Hierarchical Metal-Organic Frameworks for Heterogeneous Catalysis, **257th ACS National Meeting & Exposition**, *Orlando, Florida*, Mar. 31, 2019
3. Tailoring Pore Environment of Metal-Organic Frameworks for CO₂ Capture, Separation and Conversion, **2019 PI Meeting, Energy Frontier Research Centers**, Office of Science, U.S. Department of Energy, *Washington DC*, Jul. 29, 2019
4. Pore Engineering by Exploiting Lability in Stable Metal-Organic Frameworks, Nanoporous materials and its application, **Gordon Research Conference**, *New Hampshire*, Aug. 3, 2019
5. Retrosynthetic Design of Metal-Organic Frameworks for Clean Energy Applications, **Texas A&M Conference on Energy**, *Texas A&M University, Texas*, Sept. 23, 2019
6. Hierarchical pore formation in a series of ultrastable multivariate metal-organic frameworks, **255th ACS National Meeting & Exposition**, *New Orleans, Louisiana*, Mar. 18, 2018
7. Construction of hierarchically porous metal-organic frameworks through cluster labilization, Nanoporous materials and its application, **Gordon Research Conference**, *New Hampshire*, Aug. 2017