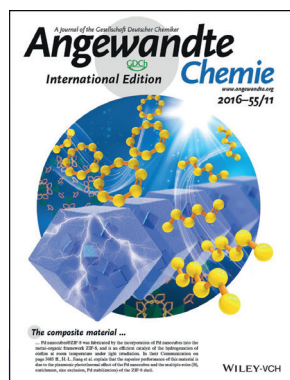




H.-L. Jiang

The author presented on this page has published his **10. article** in *Angewandte Chemie* in the last 10 years: “Switching on the Photocatalysis of Metal–Organic Frameworks by Engineering Structural Defects”: X. Ma, L. Wang, Q. Zhang, H.-L. Jiang, *Angew. Chem. Int. Ed.* **2019**, *58*, 12175; *Angew. Chem.* **2019**, *131*, 12303.



The work of H.-L. Jiang has been featured on the back cover of *Angewandte Chemie*:

“Pd Nanocubes@ZIF-8: Integration of Plasmon-Driven Photothermal Conversion with a Metal–Organic Framework for Efficient and Selective Catalysis”: Q. Yang, Q. Xu, S.-H. Yu, H.-L. Jiang, *Angew. Chem. Int. Ed.* **2016**, *55*, 3685; *Angew. Chem.* **2016**, *128*, 3749.

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Education: 2003 BSc, Anhui Normal University (China)
 2008 PhD with Prof. Jiang-Gao Mao, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences
 2008–2011 Postdoc and JSPS fellow with Prof. Qiang Xu, National Institute of Advanced Industrial Science and Technology (AIST, Japan)
 2011–2013 Postdoc with Prof. Hong-Cai “Joe” Zhou, Texas A&M University (USA)
Awards: **2017** NSFC Outstanding Young Investigator Award; **2018** Fellow of the Royal Society of Chemistry
Research: Design and synthesis of crystalline porous and nanostructured materials, based on metal–organic frameworks (MOFs) and covalent–organic frameworks (COFs), with applications especially in catalysis
Hobbies: Traveling with family, reading, music, playing cards

My biggest motivation is to make creative and significant discoveries in my research fields.

I chose chemistry as a career because of a high score for chemistry in my college entrance examination.

My favorite motto is to try our best and live without regrets (尽力而无悔).

The best advice I have ever been given is to work hard with perseverance.

The most important thing I learned from my parents is to be honest and modest.

The downside of my job is that I don’t have enough time to spend with my family.

I can never resist the hugs from my daughter.

If I won the lottery, I would travel around the world with my family.

My favorite food is seafood.

If I were not a scientist, I would be a high school teacher.

My most exciting discovery to date has been the competitive electron transfer between MOFs and Pt nanocrystals dominated by the intensity of light irradiation and that greatly affects the catalytic performance.

What I look for first in a publication is the graphical abstract.

My 5 top papers:

1. “From Bimetallic Metal–Organic Framework to Porous Carbon: High Surface Area and Multicomponent Active Dopants for Excellent Electrocatalysis”: Y.-Z. Chen, C. Wang, Z.-Y. Wu, Y. Xiong, Q. Xu, S.-H. Yu, H.-L. Jiang, *Adv. Mater.* **2015**, *27*, 5010. (Rational synthesis of bimetallic MOF precursors toward excellent catalysis over their derivatives by combining advantages of the monometallic MOF derivatives.)
2. “Polydimethylsiloxane Coating for a Palladium/MOF Composite: Highly Improved Catalytic Performance by Surface Hydrophobization”: G. Huang, Q. Yang, Q. Xu, S.-H. Yu, H.-L. Jiang, *Angew. Chem. Int. Ed.* **2016**, *55*, 7379; *Angew. Chem.* **2016**, *128*, 7505. (Strongly enhanced catalytic performance by simple surface PDMS coating.)
3. “Singlet Oxygen-Engaged Selective Photo-Oxidation over Pt Nanocrystals/Porphyrinic MOF: The Roles of Photothermal Effect and Pt Electronic State”: Y.-Z. Chen, Z. U. Wang, H. Wang, J. Lu, S.-H. Yu, H.-L. Jiang, *J. Am. Chem. Soc.* **2017**, *139*, 2035. (The finding of competitive electron transfer between MOFs and metal nanocrystals controlled by the intensity of light irradiation.)
4. “Integration of Plasmonic Effects and Schottky Junctions into Metal–Organic Framework Composites: Steering Charge Flow for Enhanced Visible-Light Photocatalysis”: J.-D. Xiao, L. Han, J. Luo, S.-H. Yu, H.-L. Jiang, *Angew. Chem. Int. Ed.* **2018**, *57*, 1103; *Angew. Chem.* **2018**, *130*, 1115. (Charge flow formation in a MOF-based system under light irradiation.)
5. “Location determination of metal nanoparticles relative to a metal–organic framework”: Y.-Z. Chen, B. Gu, T. Uchida, J. Liu, X. Liu, B.-J. Ye, Q. Xu, H.-L. Jiang, *Nat. Commun.* **2019**, *10*, 3462. (Encapsulation of metal nanoparticles in MOF pores is verified by advanced techniques.)

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