



D. Jiang

## Donglin Jiang

<b>Date of birth:</b>	October 21, 1966
<b>Position:</b>	Associate Professor, Department of Materials Molecular Science, Institute for Molecular Science, Okazaki, Japan
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<b>Education:</b>	1989 Undergraduate degree, Zhejiang University 1998 PhD supervised by Professor Takuzo Aida, The University of Tokyo
<b>Awards:</b>	<b>2006</b> Society of Polymer Science of Japan (SPSJ)–Wiley Polymer Science Award; <b>2006</b> The Young Scientists' Prize, Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Japan
<b>Research:</b>	Covalent organic frameworks and conjugated microporous polymers
<b>Hobbies:</b>	Tennis, badminton, and driving

The author presented on this page has recently published his **10th article** in *Angewandte Chemie* in the last 10 years:

"Radical Covalent Organic Frameworks: A General Strategy to Immobilize Open-Accessible Polyradicals for High-Performance Capacitive Energy Storage": F. Xu, H. Xu, X. Chen, D. Wu, Y. Wu, H. Liu, C. Gu, R. Fu, D. Jiang, *Angew. Chem. Int. Ed.* **2015**, 54, 6814; *Angew. Chem.* **2015**, 127, 6918.

**If I had one year of paid leave I would** try a self-sufficient lifestyle.

**My favorite drink is** green tea.

**What I appreciate most about my friends is** their honesty and criticism.

**My favorite composer is** Wolfgang Amadeus Mozart.

**My favorite book is** *Journey to the West* (attributed to Wu Cheng'en).

**The natural talent I would like to be gifted with is** the ability to write novels.

**Young people should study chemistry because** it plays a central role in overcoming energy and environmental issues.

**In a spare hour, I** read novels or practise calligraphy.

**My favorite time of day is** the morning when I have my first coffee.

**I advise my students to** pay attention to "abnormal" phenomena in experiments.

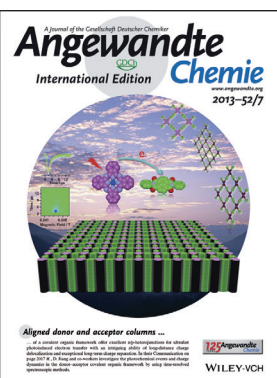
**My favorite reactions are** the natural photosynthetic reactions.

### My 5 top papers:

1. "A Belt-Shaped, Blue Luminescent, and Semiconducting Covalent Organic Framework": S. Wan, J. Guo, J. Kim, H. Ihee, D. Jiang, *Angew. Chem. Int. Ed.* **2008**, 47, 8826; *Angew. Chem.* **2008**, 120, 8958. (Arene units polymerize into latticed organic frameworks.)
2. "Synthesis of Metallophthalocyanine Covalent Organic Frameworks That Exhibit High Carrier Mobility and Photoconductivity": X. Ding, J. Guo, X. Feng, Y. Honsho, J. Guo, S. Seki, P. Maitrad, A. Saeki, S. Nagase, D. Jiang, *Angew. Chem. Int. Ed.* **2011**, 50, 1289; *Angew. Chem.* **2011**, 123, 1325. ( $\pi$ -Stacked columns in covalent organic frameworks (COFs) are conduits for charge-carrier transport.)
3. "An *n*-Channel Two-Dimensional Covalent Organic Framework": X. Ding, L. Chen, Y. Honsho, *J. Am. Chem. Soc.* **2011**, 133, 14510. ( $\pi$ -Stacked columns in COFs can be designed for electron transport.)
4. "Rational Design of Crystalline Supramicroporous Covalent Organic Frameworks with Triangular Topologies": S. Dalapati, M. Addincoat, S. Jin, T. Sakurai, H. Xu, S. Irle, S. Seki, D. Jiang, *Nat. Commun.* **2015**, 6, 7786. (The highest  $\pi$  density and smallest pores among COFs can be achieved with triangular topologies.)
5. "Photoelectric Covalent Organic Frameworks: Converting Open Lattices into Ordered Donor–Acceptor Heterojunctions": L. Chen, K. Furukawa, J. Gao, A. Nagai, T. Nakamura, Y. Dong, D. Jiang, *J. Am. Chem. Soc.* **2014**, 136, 9806. (Both pores and skeletons of COFs were explored to achieve long-lived charge separation.)

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The work of D. Jiang has been featured on the inside back cover of *Angewandte Chemie*:

"Charge Dynamics in a Donor–Acceptor Covalent Organic Framework with Periodically Ordered Bicontinuous Heterojunctions": S. Jin et al., *Angew. Chem. Int. Ed.* **2013**, 52, 2017; *Angew. Chem.* **2013**, 125, 2071.