



N. Jiao

The author presented on this page has published more than **10 articles** since 2000 in *Angewandte Chemie*, most recently:

"Iron-Catalyzed C–H and C–C Bond Cleavage: A Direct Approach to Amides from Simple Hydrocarbons": C. Qin, W. Zhou, F. Chen, Y. Ou, N. Jiao, *Angew. Chem.* **2011**, 123, 12 803–12 807; *Angew. Chem. Int. Ed.* **2011**, 50, 12 595–12 599.

## Ning Jiao

<b>Date of birth:</b>	May 13, 1976
<b>Position:</b>	Professor of Organic Chemistry, State Key Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical Sciences, Peking University (China)
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<b>Homepage:</b>	http://sklnbd.bjmu.edu.cn/nj
<b>Education:</b>	1995–1999 BSc, Shandong University, Ji'nan (China) 1999–2004 PhD with Professor Shengming Ma, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai (China) 2004–2006 Postdoctoral fellow (Alexander von Humboldt Fellowship) with Professor Manfred T. Reetz, Max Planck Institute for Coal Research, Mülheim an der Ruhr (Germany)
<b>Awards:</b>	<b>2008</b> New Century Excellent Talents in University Award (sponsored by the Chinese Ministry of Education); <b>2010</b> The Chinese Chemical Society Young Chemist Award; <b>2011</b> Distinguished Lectureship Award, Asian Symposium of the Annual Meeting of the Chemical Society of Japan
<b>Current research interests:</b>	Aerobic oxidation and dioxygen activation, and incorporation of nitrogen into non-activated molecules, by transition metal-catalyzed selective C–H and C–C bond cleavage; highly selective reactions; hybrid enzyme- or protein-catalyzed reactions
<b>Hobbies:</b>	Traveling, films, playing cards

### My favorite piece of research is ... the next result.

The most important thing I learned from my parents is ... to find other people's merits.

The greatest scientific advance in the next decade will be ... sustainable energy.

What I look for first in a publication is ... how the authors designed their chemistry.

If I won the lottery, I would ... like to try one of the most challenging experiments such as N<sub>2</sub> activation on the same lucky day.

In my opinion, the word "scientist" means ... people who work day and night without any extra pay.

My favorite place on earth is ... Sunshine Beach.

I chose chemistry as a career because ... chemistry is like a box of chocolates. You never know what you are going to get.

My best investment was ... the extra time that I spent in middle school.

My top three films of all time are ... *Forrest Gump*, *La vita è bella* (Life Is Beautiful), and *大话西游* (A Chinese Odyssey).

My favorite food is ... noodles.

### My 5 top papers:

1. "Indoles from Simple Anilines and Alkynes: Palladium-Catalyzed C–H Activation Using Dioxygen as the Oxidant": Z. Shi, C. Zhang, S. Li, D. Pan, S. Ding, Y. Cui, N. Jiao, *Angew. Chem.* **2009**, 121, 4642–4646; *Angew. Chem. Int. Ed.* **2009**, 48, 4572–4576. (A simple protocol for the synthesis of indoles.)
2. "Direct Transformation of Methyl Arenes to Aryl Nitriles at Room Temperature": W. Zhou, L. Zhang, N. Jiao, *Angew. Chem.* **2009**, 121, 7228–7231; *Angew. Chem. Int. Ed.* **2009**, 48, 7094–7097. (A strategy for the incorporation of nitrogen into non-activated substrates.)
3. "Dioxygen Activation under Ambient Conditions: Cu-catalyzed Oxidative Amidation–Diketonization of Terminal Alkynes Leading to  $\alpha$ -Ketoamides": C. Zhang, N. Jiao, *J. Am. Chem. Soc.* **2010**, 132, 28–29. (This reaction proceeds via a superoxide radical intermediate.)
4. "Iron-Facilitated Direct Oxidative C–H Transformation of Allylarenes or Alkenes to Alkenyl Nitriles": Q. Qin, N. Jiao, *J. Am. Chem. Soc.* **2010**, 132, 15893–15895. (The incorporation of nitrogen into allylarenes for alkenyl nitrile synthesis is realized by three C–H bond cleavage reactions under mild conditions using DDQ as the oxidant.)
5. "Implanting Nitrogen into Hydrocarbon Molecules through C–H/C–C Bond Cleavages: The Direct Approach to Tetrazoles": F. Chen, C. Qin, Y. Cui, N. Jiao, *Angew. Chem.* **2011**, 123, 11689–11693; *Angew. Chem. Int. Ed.* **2011**, 50, 11487–11491. (The incorporation of nitrogen into non-activated hydrocarbon molecules for tetrazole formation is achieved by C–C and C–H bond cleavage.)

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