



X. Wang

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

“Layered Nanojunctions for Hydrogen-Evolution Catalysis”: Y. Hou, A. B. Laursen, J. Zhang, G. Zhang, Y. Zhu, X. Wang, S. Dahl, I. Chorkendorff, *Angew. Chem.* **2013**, 125, 3709–3713; *Angew. Chem. Int. Ed.* **2013**, 52, 3621–3625.

Xinchen Wang

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Position:	Professor, College of Chemistry and Chemical Engineering, Fuzhou University
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Education:	1999 BSc in Chemistry, Fuzhou University 2005 PhD supervised by Professor Jimmy C. Yu, The Chinese University of Hong Kong 2006–2007 Postdoctoral Fellow with Professor Kazunari Domen, The University of Tokyo 2007–2009 Alexander von Humboldt Fellow with Profs. Arne Thomas and Markus Antonietti, Max Planck Institute of Colloids and Interfaces, Potsdam
Awards:	2006 JSPS Research Fellowship; 2007 Alexander von Humboldt Fellowship
Current research interests:	Artificial photosynthesis; (photo)catalysis; water splitting; organocatalysis; metal/conjugated organic frameworks for solar energy utilization
Hobbies:	Jogging, table tennis, and swimming

My favorite food is ... Tofu.

If I were not a scientist, I would be ... a businessman selling green tea.

I celebrate success by ... drinking beers with my colleagues and students.

My favorite author is ... Wu Cheng'en (Journey to the West).

My favorite piece of music is ... “Für Elise” by Beethoven.

My favorite saying is ... “Fortune favors the diligent”.

The most significant scientific advance of the last 100 years has been ... the development of quantum mechanics.

The biggest problem that scientists face is ... to address global energy and environmental problems.

My favorite piece of research is ... CO₂ reduction by water.

If I won the lottery, I would ... build a house powered by renewable energy.

The most important thing I learned from my parents is ... to stay optimistic.

My favorite place on earth is ... Potsdam-Golm, as it is a nice place to do science with diligent, smart, and self-motivated researchers from all over the world.

My best investment was ... my health.

My 5 top papers:

1. “A metal-free polymeric photocatalyst for hydrogen production from water under visible light”: X. Wang, K. Maeda, A. Thomas, K. Takanabe, G. Xin, J. M. Carlsson, K. Domen, M. Antonietti, *Nat. Mater.* **2009**, 8, 76–80. (Carbon nitride photocatalysis for water splitting with visible light.)
2. “Fe-g-C₃N₄-catalyzed Oxidation of Benzene to Phenol Using Hydrogen Peroxide and Visible Light”: X. Chen, J. Zhang, X. Fu, M. Antonietti, X. Wang, *J. Am. Chem. Soc.* **2009**, 131, 11658–11659. (A bioinspired photocatalyst to activate H₂O₂ for phenol synthesis from benzene.)
3. “A Facile Band Alignment of Polymeric Carbon Nitride Semiconductors to Construct Isotype Heterojunctions”: J. Zhang, M. Zhang, R. Sun, X. Wang, *Angew. Chem.* **2012**, 124, 10292–10296; *Angew. Chem. Int. Ed.* **2012**, 51, 10145–10149. (All-organic isotype heterojunctions based on conjugated carbon nitride semiconductors.)
4. “Construction of Conjugated Carbon Nitride Nanoarchitectures in Solution at Low Temperatures for Photoredox Catalysis”: Y. Cui, Z. Ding, X. Fu, X. Wang, *Angew. Chem.* **2012**, 124, 11984–11988; *Angew. Chem. Int. Ed.* **2012**, 51, 11814–11818. (The catalyst-free synthesis of carbon nitride photocatalysts in the solution phase at low temperature.)
5. “Nanostructure Engineering and Doping of Conjugated Carbon Nitride Semiconductors for Hydrogen Photosynthesis”: Z. Lin, X. Wang, *Angew. Chem.* **2013**, 125, 1779–1782; *Angew. Chem. Int. Ed.* **2013**, 52, 1735–1738. (Two-dimensional graphitic carbon nitride nanosheets doped with boron can be prepared by using a simple chemical method.)

DOI: 10.1002/anie.201302110