

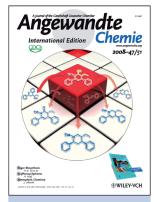




Y.-C. Chen

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

"Trienamine Catalysis with 2,4-Dienones: Development and Application in Asymmetric Diels – Alder Reactions": X.-F. Xiong, Q. Zhou, J. Gu, L. Dong, T.-Y. Liu, Y.-C. Chen, Angew. Chem. 2012, 124, 4477–4480; Angew. Chem. Int. Ed. 2012, 51, 4401–4404.



The work of Y.-C. Chen has been featured on the cover of Angewandte Chemie: "Organocatalytic Asymmetric Inverse-Electron-Demand Aza-Diels—Alder Reaction of N-Sulfonyl-1-aza-1,3-butadienes and Aldehydes": B. Han, J.-L. Li, C. Ma, S.-J. Zhang, Y.-C. Chen, Angew. Chem. 2008, 120, 10119–10122; Angew. Chem. Int. Ed. 2008, 47, 9971–9974.

Ying-Chun Chen

Date of birth: February 18, 1972

Position: Professor of Organic Chemistry, Sichuan University and Third Military Medical

University (China)

E-mail: ycchenhuaxi@yahoo.com.cn

Homepage: http://pharmacy.scu.edu.cn/news.aspx?id = 140 **Education**: 1990–1994 BSc, Nankai University, Tianjin

1994-1997 MSc, West China University of Medical Sciences, Chengdu

1998-2001 PhD with Prof. Yao-Zhong Jiang and Prof. Jin-Gen Deng, Chengdu Institute of

Organic Chemistry, Chinese Academy of Sciences, Chengdu

2002–2003 Postdoctoral position with Prof. Dan Yang, The University of Hong Kong **2007** Third Prize, WuXi PharmaTech Life Science and Chemistry Award; **2011** Distinguished

Young Investigator Foundation (sponsored by The National Natural Science Foundation

of China)

Current research Asymmetric synthesis, mostly focused on organic catalysis; design of new reactions; design and

interests: synthesis of biologically important compounds

Hobbies: Badminton, gardening

Awards:

My favorite name reaction is ... the Diels-Alder reaction.

The secret of being a successful scientist is ... to keep reading and thinking.

The greatest scientific advance of the last decade was ... nanotechnology.

If I could be described as an animal it would be ... a wolf.

f I could be anyone for a day, I would be ... Ka-Shing Li (businessman and philanthropist).

My biggest inspiration is ... my daughter.

My favorite way to spend a holiday is ... to stay with my family.

If I had one year of paid leave I would ... take it with pleasure but still have to direct my students.

If I could be a piece of lab equipment, I would be ... a magnetic stirrer.

The principal aspects of my personality are ... frankness and lenience.

What I appreciate most about my friends is ... loyalty.

My favorite band is ... Beyond (a rock band from Hong Kong).

The natural talent I would like to be gifted with is ... farsightedness.

My 5 top papers:

- "Highly Asymmetric Michael Addition to α,β-Unsaturated Ketones Catalyzed by 9-Amino-9-deoxyepiquinine": J.-W. Xie, W. Chen, R. Li, M. Zeng, W. Du, L. Yue, Y.-C. Chen, Y. Wu, J. Zhu, J.-G. Deng, Angew. Chem. 2007, 119, 393–396; Angew. Chem. Int. Ed. 2007, 46, 389–392. (Primary amines derived from natural cinchona alkaloids were identified as valuable chiral aminocatalysts.)
- "Organocatalytic Enantioselective Mannich-Type Reaction of Phosphorus Ylides: Synthesis of Chiral N-Boc-β-amino-α-methylene Carboxylic Esters": Y. Zhang, Y.-K. Liu, T.-R. Kang, Z.-K. Hu, Y.-C. Chen, J. Am. Chem. Soc. 2008, 130, 2456–2457. (Stabilized phosphorus ylides were applied as useful nucleophiles in asymmetric catalysis.)
- "Direct Asymmetric Hydrosilylation of Indoles: Combined Lewis Base and Brønsted Acid Activation": Y.-C. Xiao, C. Wang, Y. Yao, J. Sun, Y.-C. Chen, Angew.

- *Chem.* **2011**, *123*, 10849 10852; *Angew. Chem. Int. Ed.* **2011**, *50*, 10661 10664. (The first reported organocatalytic asymmetric reduction of indoles.)
- "Trienamines in Asymmetric Organocatalysis: Diels—Alder and Tandem Reactions": Z.-J. Jia, H. Jiang, J.-L. Li, B. Gschwend, Q.-Z. Li, X. Yin, J. Grouleff, Y.-C. Chen, K. A. Jørgensen, J. Am. Chem. Soc. 2011, 133, 5053–5061. (The first reported catalytic stereoselective Diels—Alder reaction that occurs via trienamine intermediates.)
- "Trienamine Catalysis with 2,4-Dienones: Development and Application in Asymmetric Diels Alder Reactions": X.-F. Xiong, Q. Zhou, J. Gu, L. Dong, T.-Y. Liu, Y.-C. Chen, *Angew. Chem.* 2012, 124, 4477 4480; *Angew. Chem. Int. Ed.* 2012, 51, 4401 4404. (Trienamine intermediates from 2,4-dienones act as electronrich dienes in asymmetric Diels Alder reactions.)

DOI: 10.1002/anie.201203998

11198