

## Zuowei Xie

Date of birth:	January 25, 1964
Position:	Chair Professor and Associate Dean of Science, The Chinese University of Hong Kong
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Education:	1983 BSc, Hangzhou University (now Zhejiang University) 1986 MSc, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences 1990 PhD in chemistry with Prof. Changtao Qian and Prof. Yao-Zeng Huang, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, and with Prof. Herbert Schumann, Technische Universität Berlin 1991–1995 Postdoctoral associate with Prof. Christopher A. Reed, University of Southern California
Awards:	<b>2003</b> Croucher Award from The Croucher Foundation (Hong Kong); <b>2003</b> Young Researcher Award from The Chinese University of Hong Kong; <b>2007</b> Research Excellence Award from The Chinese University of Hong Kong; <b>2008</b> State Natural Science Prize from the State Commission on Science and Technology of China; <b>2010</b> Chinese Chemical Society Yao-Zeng Huang Award in Organometallic Chemistry
Current research interests:	Chemistry of (super)carboranes and (super)metallacarboranes; organometallic chemistry of transition-metal–carboryne complexes; homogenous catalysis and activation of small molecules
Hobbies:	Hiking, walking, and reading



Z. Xie

The author featured on this page has published more than **10 articles** in *Angewandte Chemie* in the last ten years, most recently: “Three-Component [2 + 2 + 2] Cycloaddition of Carboryne, Unactivated Alkene, and Alkyne via Zirconacyclopentane Mediated by Nickel: One-Pot Synthesis of Dihydrobenzocarboranes”: S. Ren, Z. Qiu, Z. Xie, *Angew. Chem.* **2012**, 124, 1034–1037; *Angew. Chem. Int. Ed.* **2012**, 51, 1010–1013.

**My favorite place on earth is ...** my home town.

**A** good work day begins with ... a cup of Chinese tea.

**W**hat I look for first in a publication is ... its scientific novelty.

**I**f I won the lottery, I would ... buy a house.

**T**he most important thing I learned from my parents is ... to never give up.

**I**n my opinion, the word “scientist” means ... being honest and inspiring.

**I**f I were not a research scientist, I would be ... a chemistry teacher.

**M**y favorite of music is ... Chinese classical music.

**T**he most exciting things about my research are ... the unexpected results of my co-workers.

**M**y biggest motivation is ... curiosity.

**T**he best advice I have ever been given is ... not to be a follower.

**I** can never resist ... getting more research funding.

**W**hen I'm frustrated I ... go home to watch (action) movies.

### My 5 top papers:

1. “[[( $\eta^7$ -C<sub>2</sub>B<sub>10</sub>H<sub>12</sub>)( $\eta^6$ -C<sub>2</sub>B<sub>10</sub>H<sub>12</sub>)U][K<sub>2</sub>(thf)<sub>5</sub>]]<sub>2</sub>]: A Metallacarborane Containing the Novel  $\eta^7$ -C<sub>2</sub>B<sub>10</sub>H<sub>12</sub><sup>4-</sup> Ligand”: Z. Xie, C. Yan, Q. Yang, T. C. W. Mak, *Angew. Chem.* **1999**, 111, 1875–1877; *Angew. Chem. Int. Ed.* **1999**, 38, 1761–1763. (The highest hapticity of carboranes reported to date.)
2. “Synthesis, Structure, and Bonding of a Zirconocene-1,2-Dehydro-*o*-Carborane Complex”: H. Wang, H.-W. Li, X. Huang, Z. Lin, Z. Xie, *Angew. Chem.* **2003**, 115, 4483–4485; *Angew. Chem. Int. Ed.* **2003**, 42, 4347–4349. (The first report of bonding interactions between a metal and carborynes.)
3. “Synthesis, Reactivity, and Structural Characterization of a 14-Vertex Carborane”: L. Deng, H.-S. Chan, Z. Xie, *Angew. Chem.* **2005**, 117, 2166–2169; *Angew. Chem. Int. Ed.* **2005**, 44, 2128–2131. (The largest carborane reported to date, and a general procedure for the synthesis of this type of compounds.)
4. “Palladium/Nickel-Cocatalyzed Cycloaddition of 1,3-Dehydro-*o*-Carborane with Alkynes. Facile Synthesis of C,B-Substituted Carboranes”: Z. Qiu, Z. Xie, *J. Am. Chem. Soc.* **2010**, 132, 16085–16093. (The first report of C=B bonding interactions in a carborane cage.)
5. “Regioselective Insertion of Carborynes into Etheral C–H Bond: Facile Synthesis of  $\alpha$ -Carboranylated Ethers”: S. R. Wang, Z. Qiu, Z. Xie, *J. Am. Chem. Soc.* **2011**, 133, 5760–5763. (Carborynes can exist in two resonance forms: bonding and biradical.)

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