



X. Zeng

Xiaoqing Zeng

Date of birth:	August 2, 1979
Position:	Professor of Physical Chemistry, Soochow University
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Education:	2002 BS, Wuhan University 2007 PhD with Professor Dianxun Wang, Institute of Chemistry, Chinese Academy of Sciences, Beijing 2008 Postdoctoral fellow with Professor Jack Passmore, University of New Brunswick 2009–2013 Postdoctoral fellow with Professor Helge Willner, Bergische Universität Wuppertal
Awards:	2009 Alexander von Humboldt Fellowship
Current research interests:	Reactive intermediates, metastable compounds, molecular structure, spectroscopy, reaction mechanisms
Hobbies:	Walking and music

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

“Gas-Phase Generation and Decomposition of a Sulfinylnitrene into the Iminyl Radical OSN”: Z. Wu, D. Li, H. Li, B. Zhu, H. Sun, J. S. Francisco, X. Zeng, *Angew. Chem. Int. Ed.* **2016**, 55, 1507; *Angew. Chem.* **2016**, 128, 1529.

My favorite author (fiction) is Louis Cha (Jin Yong).

My favorite food is Hunan cuisine.

My top three films of all time are *The Matrix*; *The Shawshank Redemption*; *Fist of Legend*.

The downside of my job is that I do not have enough time for my son Yiran.

In retrospect I would never again store azides in a flame-sealed glass ampoule.

My favorite song is *We Weren't Born To Follow* (Bon Jovi).

My favorite saying is “no pain no gain”.

My favorite place on earth is Wuppertal because of the Wuppertaler Schwebebahn.

My not-so-secret passion is cooking traditional food from my hometown (Gong'an County).

If I were not a scientist, I would be a master chef.

My most exciting discovery to date has been the synthesis of the long-sought-after diazirinone.

My worst nightmare is to have an explosion in the lab.

Guaranteed to make me laugh is watching the movie *La Grande Vadrouille*.

The best advice I have ever been given is to make sure that the result is reproducible (Prof. Dianxun Wang).

I can never resist spicy Chinese food.

My 5 top papers:

1. “Synthesis and Characterization of Carbonyl Diazone, $\text{OC}(\text{N}_3)_2$ ”: X. Zeng, M. Gerken, H. Beckers, H. Willner, *Inorg. Chem.* **2010**, 49, 9694. (The title compound was finally isolated and structurally characterized, despite advice to the contrary.)
2. “Elusive Diazirinone, N_2CO ”: X. Zeng, H. Beckers, H. Willner, J. F. Stanton, *Angew. Chem. Int. Ed.* **2011**, 50, 1720; *Angew. Chem.* **2011**, 123, 1758. (Surprisingly, N_2CO is a violet gas at room temperature.)
3. “The Iminyl Radical O_2SN ”: X. Zeng, H. Beckers, H. Willner, *Angew. Chem. Int. Ed.* **2013**, 52, 7981; *Angew. Chem.* **2013**, 125, 8139. (A close analogue of SO_3 that was barely known.)
4. “A Singlet Thiophosphoryl Nitrene and Its Interconversion with Thiazyl and Thionitroso Isomers”: H. Li, Z. Wu, D. Li, X. Zeng, H. Beckers, J. S. Francisco, *J. Am. Chem. Soc.* **2015**, 137, 10942. (The direct observation of a rare thiazirine-like singlet nitrene and its isomerization reactions.)
5. “The Methylsulfonyloxyl Radical, CH_3SO_3 ”: B. Zhu, X. Zeng, H. Beckers, J. S. Francisco, H. Willner, *Angew. Chem. Int. Ed.* **2015**, 54, 11404; *Angew. Chem.* **2015**, 127, 11566. (Identification of a key intermediate in the atmospheric oxidation of dimethyl sulfide.)

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