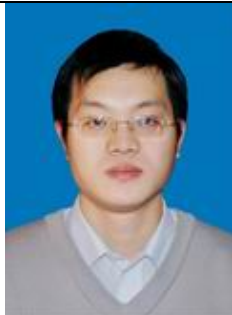


Chao Deng

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Personal Information

Department	Department of Chemistry, College of Sciences	
Gender	Male	
Degree	Ph.D.	
Title	Associate Professor	
Major	Organic Chemistry	
Graduated University	SIOC	
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Educational Background

- Ph.D., Organic Chemistry (09/2009–01/2013): Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences (Prof. Yong Tang), Shanghai, China.
Thesis title: *Highly Enantioselective Synthesis of 1,1-Cyclopropane Diesters*
- M.S., Physical Chemistry (09/2005–06/2008): College of Chemistry, Sichuan University (Prof. Yi Ren), Chengdu, China.
Thesis title: *Mechanistic Investigations on the Neutral Hydrolyses of Cumulenes Containing S and O as the Heteroatom and Carbonyl Sulfide Absorption in Aqueous Solutions of Alkanolamines*
- B.S., Chemistry (09/2001–07/2005): Shanxi Normal University.

Work Experience

- Associate Professor, (06/2017–current): Organic Chemistry and Computational Chemistry, College of Sciences, Nanjing Agricultural University, Nanjing, P. R. China
- Postdoctoral Fellow, (05/2015–05/2017): Computational Chemistry, Department of Chemistry, the Hong Kong University of Science and Technology (Prof. Zhenyang Lin), Hong Kong, P. R. China
- Postdoctoral Fellow, (03/2013–03/2015): Organic Chemistry and Computational Chemistry, Department of Chemistry, North Dakota State University (Prof. Mukund P. Sibi), Fargo, USA.
- Research Assistant, (07/2008–08/2009): Computational Chemistry and Organic Chemistry, Shanghai Institute of Organic Chemistry (Prof. Yong Tang), Shanghai, P. R. China
- Teaching Assistant, (02/2006–01/2008): Organic Chemistry and Physical Chemistry, Sichuan University, Chengdu, P. R. China

Honors & Awards

- 06/2008: Innovative Talents, 1st Class, Sichuan University.

- 03/2008: Excellent Master Graduates of Sichuan Province.
- 12/2007: Excellent Master Graduates of Sichuan University.

Research Interests

- Organic Synthesis (C-H Activation; Radical Reactions)
- Computational Chemistry (Reaction Mechanisms)

Teaching

- Natural Product Chemistry
- Inorganic Chemistry Experiment

Publications

- (12) Gaoyuan Ma, **Chao Deng**, Jun Deng and Mukund P. Sibi. Dynamic kinetic resolution of biaryl atropisomers by chiral dialkylaminopyridine catalysts. *Org. Biomol. Chem.* **2018**, *16*, 3121-3126. (IF₂₀₁₇ = 3.423)
- (11) **Chao Deng**, Jing-Xuan Zhang, and Zhenyang Lin*. Theoretical Studies on Pd(II)-Catalyzed meta-Selective C–H Bond Arylation of Arenes. *ACS Catal.* **2018**, *8*, 2498-2507. (IF₂₀₁₇ = 11.384)
- (10) **Chao Deng**, Hua-Kui Liu, Zhong-Bo Zheng, Lijia Wang,* Xiang Yu, Weihua Zhang,* Yong Tang. Copper-Catalyzed Enantioselective Cyclopropanation of Internal Olefins with Diazomalonates. *Org. Lett.* **2017**, *19*, 5717–5719. (IF₂₀₁₆ = 6.579)
- (9) **Chao Deng**, Wai Han Lam*, Zhenyang Lin*. Computational Studies on Rhodium(III) Catalyzed C-H Functionlization versus Deoxygenation of Quinoline N-oxides with diazo Compounds. *Organometallics*. **2017**, *36*, 650–656. (IF₂₀₁₆ = 3.862)
- (8) **Chao Deng**, Li-Jia Wang, Jun Zhu and Yong Tang*. A Chiral Cage-like Copper(I) Catalyst for Highly Enantioselective Synthesis of 1,1–Cyclopropane Diesters. *Angew. Chem., Int. Ed.* **2012**, *51*, 11620–11623. **Highlighted by Synform(2013/05)**. (IF₂₀₁₂ = 13.734)
- (7) Jiao-Long Zhou, Yong Liang, **Chao Deng**, Haolai Zhou, Zheng Wang, Xiu-Li Sun, Jun-Cheng Zheng, Zhi-Xiang Yu*, and Yong Tang*. Tunable Carbonyl Ylide Reactions: Selective Synthesis of Dihydrofurans and Dihydrobenzoxepines. *Angew. Chem., Int. Ed.* **2011**, *50*, 7874–7878. (IF₂₀₁₁ = 13.455)
- (6) Peng Cao, **Chao Deng**, You-Yun Zhou, Xiu-Li Sun, Jun-Cheng Zheng, Zuwei Xie, Yong Tang*. Asymmetric Nazarov Reaction Catalyzed by Chiral Tris(oxazoline)/Copper(II). *Angew. Chem., Int. Ed.* **2010**, *49*, 4463–4466. (IF₂₀₁₀ = 12.730)
- (5) Chun-Yin Zhu, Xiao-Yu Cao, Ben-Hu Zhu, **Chao Deng**, Xiu-Li Sun, Bi-Qin Wang, Qi Shen, and Yong Tang*. Application of Asymmetric Ylide Cyclopropanation in the Total

Synthesis of Halicholactone. *Chem. Eur. J.* **2009**, *15*, 11465–11468. (IF₂₀₀₉ = 5.382)

- (4) Jian-Ping Qu, **Chao Deng**, Jian Zhou, Xiu-Li Sun, and Yong Tang*. Switchable Reactions of Cyclopropanes with Enol Silyl Ethers. Controllable Synthesis of Cyclopentanes and 1, 6-Dicarbonyl Compounds. *J. Org. Chem.* **2009**, *74*, 7684–7689. (IF₂₀₀₉ = 4.219)
- (3) **Chao Deng**, Xiao-Peng Wu, Xiao-Ming Sun, Yi Ren*, Ying-Hong Sheng. Neutral Hydrolyses of Carbon Disulfide: An Ab Initio Study of Water Catalysis. *J. Comput. Chem.* **2009**, *30*, 285–294. (IF₂₀₀₉ = 3.769)
- (2) **Chao Deng**, Qiang-Gen Li, Yi Ren*, Ning-Bew Wong, San-Yan Chu, Hua-Jie Zhu. A Comprehensive Theoretical Study on the Hydrolysis of Carbonyl Sulfide in the Neutral Water. *J. Comput. Chem.* **2008**, *29*, 466–480. (IF₂₀₀₈ = 3.390)
- (1) Qiang-Gen Li, **Chao Deng**, Yi Ren*, San-Yan Chu, Xin Wang. Tautomerism of Monochalcogenosilanoic Acids CH₃Si(=O)XH (X=S, Se, Te) in the Gas phase and in the Polar and Aprotic Solution. An Ab Initio Computational Investigation. *Int. J. Quantum Chem.* **2008**, *108*, 142-150. (IF₂₀₀₈ = 1.317)