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PERSONAL INFORMATION

Born on May 15th, 1983, in Sichuan Province, P. R. China; Male; Engaged

ACADEMIC EDUCATION

- 2007.9 – 2012.7** **Peking University**, Beijing, China; **Ph.D. in Organic Chemistry**
Advisor: Prof. Jianbo Wang and Associate Prof. Yan Zhang
- 2009.10** **Hokkaido University**, Sapporo, Japan; Internship study as an Asian Graduate School Student (GCOE program)
Advisor: Prof. Shoji Hara
- 2002.9 – 2007.7** **Peking University**, Beijing, China; **B.S. in Chemistry**
Advisor: Prof. Jianbo Wang

RESEARCH EXPERIENCE

- 2012.10-present** **ERATO Postdoctoral Researcher**
Graduate School of Pharmaceutical Sciences, the University of Tokyo, Tokyo, Japan
Advisor: Prof. Motomu Kanai and Associate Prof. Yoichiro Kuninobu
- 2008.9-2012.10** **Research Assistant**
College of Chemistry and Molecular Engineering, Peking University, Beijing, China
Advisor: Prof. Jianbo Wang and Associate Prof. Yan Zhang

FELLOWSHIPS AND AWARDS

- ERATO Postdoctoral Fellowship, *Japan Science and Technology Agency (JST)*, **2012-2014**
The Second Rank Award of Science and Technology of Beijing, *the People's Government of Beijing City*, **2011**
Leo Koguan Scholarship, *Leo Koguan Foundation*, **2011**
The Dow Sustainability Innovation Student Challenge Award, *the Dow Chemical Company*, **2011**
Best Poster Award in the 4th Peking University-Eli Lilly Lectures in Organic Chemistry, *Peking University & Eli Lilly and Company*, **2011**
Best Poster Award in the 16th IUPAC International Conference on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS), **2011**
Best Oral Presentation Award in the 4th "CCME-IOC&ICCAS-LMRF" Alfa Aesar Graduate Students Symposium, **2011**
Founder Scholarship, *Founder Group Company*, **2010**
Best Poster Award in the 3th Peking University-Eli Lilly Lectures in Organic Chemistry, *Peking University & Eli Lilly and Company*, **2010**
The May 4th Movement Memorial Scholarship, *Peking University*, **2005**
Kerry Grain and Oil Scholarship, *Kerry Grain and Oil Corporation*, **2004**

PUBLICATIONS

- (18) Oxidative Cross-Coupling of Allenyl Ketones and Organoboronic Acids: Expedient Synthesis of Highly Substituted Furans
Ying Xia, Yamu Xia, Rui Ge, Zhen Liu, Qing Xiao, Yan Zhang, Jianbo Wang*
Angew. Chem. Int. Ed. **2014**, *53*, 3917-3921.
- (17) Palladium-Catalyzed C-H Fluorosilylation of 2-Phenylpyridines: Synthesis of Silafluorene Equivalents
Qing Xiao, Xiangtai Meng, Motomu Kanai,* Yoichiro Kuninobu*
Angew. Chem. Int. Ed. **2014**, *53*, 3168-3172.
- (16) Palladium-Catalyzed Carbene Migratory Insertion Using Conjugated Ene-Yne-Ketones as Carbene Precursors
Ying Xia[†], Shuanglin Qu[†], Qing Xiao[†], Zhi-Xiang Wang,* Peiyuan Qu, Li Chen, Zhen Liu, Leiming Tian, Zhongxing Huang, Yan Zhang, Jianbo Wang*
J. Am. Chem. Soc. **2013**, *135*, 13502-13511.
[†]Equal contribution.
JACS Most Read Articles in September, 2013; Highlighted by *ChemCatChem* **2014**, *6*, 711-712.
- (15) Palladium-Catalyzed Three-Component Reaction of Allenes, Aryl Iodides and Diazo Compounds: New Approach to 1,3-Dienes
Qing Xiao, Binglong Wang, Leiming Tian, Yang Yang, Jian Ma, Yan Zhang, Shufeng Chen,* Jianbo Wang*
Angew. Chem. Int. Ed. **2013**, *52*, 9505-9308.
- (14) Synthesis of Allyl Allenes through Three-Component Cross-Coupling Reaction of *N*-Tosylhydrazones, Terminal Alkynes and Allyl Halides
Fei Ye, Mohammad Lokman Hossain, Yan Xu, Xiaoshen Ma, Qing Xiao, Yan Zhang, Jianbo Wang*
Chem. Asian J. **2013**, *8*, 1404-1407.
- (13) Copper-Catalyzed Direct *ortho*-Alkylation of *N*-Iminopyridinium Ylides with *N*-Tosylhydrazones
Qing Xiao, Lin Ling, Fei Ye, Renchang Tan, Leiming Tian, Yan Zhang, Yuxue Li,* Jianbo Wang*
J. Org. Chem. **2013**, *78*, 3879-3885.
JOC Most Read Articles in April, 2013.
- (12) Catalyst-Free Intramolecular Formal Carbon Insertion into C-C Bond: a New Approach toward Phenanthrols and Naphthols
Ying Xia, Peiyuan Qu, Zhenxing Liu, Rui Ge, Qing Xiao, Yan Zhang, Jianbo Wang*
Angew. Chem. Int. Ed. **2013**, *52*, 2543-2546.
Highlighted by *Synfacts* **2013**, *9*, 492.
- (11) Diazo Compounds and *N*-Tosylhydrazones: Novel Cross-Coupling Partners in Transition-Metal-Catalyzed Reactions
Qing Xiao, Yan Zhang, Jianbo Wang*
Acc. Chem. Res. **2013**, *46*, 236-247.
Invited; *ACR* Most Read Articles in 12 months since publication date (web).
- (10) Auto-Tandem Catalysis: Synthesis of Acridines by Pd-Catalyzed Carbene Migratory Insertion and C(sp²)-N Cross-Coupling

- Zhongxing Huang, Yang Yang, Qing Xiao, Yan Zhang, Jianbo Wang*
Eur. J. Org. Chem. **2012**, 6586-6593.
- (9) Transition-Metal-Free Amination of Arylboroxines
Qing Xiao, Leiming Tian, Renchang Tan, Ying Xia, Di Qiu, Yan Zhang, Jianbo Wang*
Org. Lett. **2012**, *14*, 4230-4233.
Highlighted by *Angew. Chem. Int. Ed.* **2013**, *52*, 5684-5686; highlighted by *Organic Chemistry Portal* ID: J54-Y2012-2620.
- (8) Rhodium(II)-Catalyzed Cyclization of Bis-*N*-tosylhydrazones: An Efficient Approach toward Polycyclic Aromatic Compounds
Ying Xia, Zhenxing Liu, Qing Xiao, Peiyuan Qu, Rui Ge, Yan Zhang, Jianbo Wang*
Angew. Chem. Int. Ed. **2012**, *51*, 5714-5717.
Highlighted by *ACS Noteworthy Chemistry* **2012**, July 16.
- (7) C(sp)-C(sp³) Bond Formation through Cu-Catalyzed Cross-Coupling of *N*-Tosylhydrazones and Trialkylsilylethyne
Fei Ye, Xiaoshen Ma, Qing Xiao, Huan Li, Yan Zhang, Jianbo Wang*
J. Am. Chem. Soc. **2012**, *134*, 5742-5745.
Highlighted by *Organic Chemistry Portal* ID: J48-Y2012-0910.
- (6) Expeditious Synthesis of Phenanthrenes via CuBr₂-Catalyzed Coupling of Terminal Alkynes and *N*-Tosylhydrazones derived from *O*-Formyl Biphenyls
Fei Ye, Yi Shi, Lei Zhou, Qing Xiao, Yan Zhang, Jianbo Wang*
Org. Lett. **2011**, *13*, 5020-5023.
- (5) Gold(III)-Catalyzed Direct Acetoxylation of Arenes with Iodobenzene Diacetate
Di Qiu, Zhitong Zheng, Fanyang Mo, Qing Xiao, Yu Tian, Yan Zhang, Jianbo Wang*
Org. Lett. **2011**, *13*, 4988-4991.
Highlighted by *Organic Chemistry Portal* ID: J54-Y2010-3440.
- (4) CuBr-Catalyzed Coupling of *N*-Tosylhydrazones and Terminal Alkynes: Synthesis of Benzofurans and Indoles
Lei Zhou, Yi Shi, Qing Xiao, Yizhou Liu, Fei Ye, Yan Zhang, Jianbo Wang*
Org. Lett. **2011**, *13*, 968-971.
Highlighted by *Synfacts* **2011**, *5*, 544; highlighted by *Organic Chemistry Portal* ID: J54-Y2011-0440.
- (3) Coupling of *N*-Tosylhydrazones with Terminal Alkynes Catalyzed by Copper(I): Synthesis of Trisubstituted Allenes
Qing Xiao, Ying Xia, Huan Li, Yan Zhang, Jianbo Wang*
Angew. Chem. Int. Ed. **2011**, *50*, 1114-1117.
Highlighted by *Synfacts* **2011**, *4*, 431; highlighted by *ACS Catal.* **2014**, *4*, 519-528.
- (2) Pd-Catalyzed C=C Double Bond Formation by Coupling of *N*-Tosylhydrazones with Benzyl Halides
Qing Xiao, Jian Ma, Yang Yang, Yan Zhang, Jianbo Wang*
Org. Lett. **2009**, *11*, 4732-4735.
Highlighted by *Synfacts* **2009**, *1*, 91.

- (1) Investigation on Ru(II)-catalyzed Reaction of [2,3]-Sigmatropic Rearrangement of Sulfur Ylide Generated from Metal Carbene

Qing Xiao, Jianbo Wang*

Acta Chim. Sinica **2007**, *65*, 1733-1735.

PATENTS

- (1) Compounds with a fluorosilyl group and their synthetic method

Yoichiro Kuninobu, Motomu Kanai, Qing Xiao

Japanese patent application No. 2014-008359.

ACADEMIC REFERENCES

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