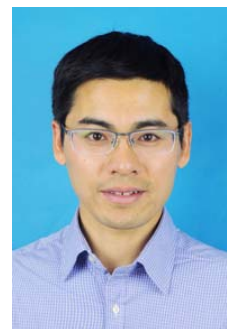


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**RESEARCH INTERESTS:**

Synthetic methodologies, Asymmetric catalysis, Metal catalysis, Synthesis and process of pharmaceuticals, Total synthesis of natural products and bioactive molecules

PROFESSIONAL EXPERIENCE:

2017/07-present Dean of the department of Chemistry
2015/03-present Professor, doctoral supervisor, College of Sciences, Nanjing Agricultural University
2014/11-2015/02 Research Scientist II, Colorado State University, USA
2010/10-2014/10 Postdoctoral Fellow (with Professor Yian Shi), Colorado State University, USA
2005/07-2007/08 WuXi AppTech Company, Shanghai, CHINA

EDUCATION EXPERIENCE:

2007/09-2010/06 Ph.D. degree in Organic Chemistry, East China Normal University
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2009/02-2009/12 Visiting Student, State Key Laboratory of Elemento-Organic Chemistry, Nankai University (under the supervision of Professor Qi-Lin Zhou)
2002/09-2005/06 M.Sc. degree in Pharmaceutical synthesis, East China Normal University
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1998/09-2002/06 B.Sc. degree, Hunan University of Science and Technology, CHINA

HONORS AND AWARDS:

2016, a scholar for the Jiangsu Province "333 High-level Talent Cultivation Program" for Young Science and Technology Leaders
2011, the second class award of Natural Science Award of Ministry of Education (ranking No. 8)

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(4) the National Natural Science Foundation of China (grant No. 21502096), 2016-2018

- (3) Natural Science Foundation of Jiangsu Province (grant No. BK20150652), 2015-2018
- (2) the Scientific Research Startup Funds of NAU—for the Introduced Talents, 2015-2020
- (1) the Fundamental Research Funds for the Central Universities (KJQN201629), 2016-2018

PUBLICATIONS:

- (22) Kang Guo, Honglin Zhang, Shujun Cao, Chen Gu, Huating Zhou, Jie Li, **Yingguang Zhu***, “Copper-Catalyzed Domino Cyclization/Trifluoromethylthiolation of Unactivated Alkenes: Access to SCF₃-Containing Pyrrolines”, *Org. Lett.* **2018**, *20*, 2261–2264. (SCI, IF = 6.492)
- (21) Yun Shi[#], Rongshun Chen[#], Kang Guo, Fei Meng, Shujun Cao, Chen Gu, **Yingguang Zhu***, “Visible light-promoted metal-free aerobic oxyphosphorylation of olefins: A facile approach to β -ketophosphine oxides”, *Tetrahedron Lett.* **2018**, *59*, 2062–2065. (SCI, IF = 2.125)
- (20) Zhen Chen, Kang Guo, Rongshun Chen*, Chen Gu, Huating Zhou, **Yingguang Zhu***, “Facile Access to β -Ketosulfones via Mn-Mediated Reductive Coupling of α -Bromoketones with Sulfonyl Chlorides”, *Chin. J. Org. Chem.* **2018**, *38*, 963–968. (SCI)
- (19) Fei Meng, Honglin Zhang, Kang Guo, Jiayue Dong, Ai-Min Lu, **Yingguang Zhu***, “Access to Cyano-Containing Isoxazolines via Copper-Catalyzed Domino Cyclization/Cyanation of Alkenyl Oximes”, *J. Org. Chem.* **2017**, *82*, 10742–10747. (SCI, IF = 4.805)
- (18) **Yingguang Zhu**, Qian Wang, Richard G. Cornwall, Yian Shi*, “Organocatalytic Asymmetric Epoxidation and Aziridination of Olefins and Their Synthetic Applications”, *Chem. Rev.* **2014**, *114*, 8199–8256. (SCI, IF = 45.661)
- (17) **Yingguang Zhu**, Richard G. Cornwall, Haifeng Du, Baoguo Zhao, Yian Shi*, “Catalytic Diamination of Olefins via N–N Bond Activation”, *Acc. Chem. Res.* **2014**, *47*, 3665–3678. (SCI, IF = 24.348)
- (16) **Yingguang Zhu**, Changwei Zhai, Liping Yang, Wenhao Hu*, “Copper(II)-catalyzed highly diastereoselective three-component reactions of aryl diazoacetates with alcohols and chalcones: an easy access to furan derivatives”, *Chem. Commun.* **2010**, *46*, 2865–2867. (SCI, IF = 6.718) (highlighted by *Synfacts* **2010**, 691)
- (15) **Yingguang Zhu**,[#] Tao Xiong,[#] Wenyong Han,[#] Yian Shi*, “Copper-Catalyzed Oxidative Homo- and Cross-Coupling of Grignard Reagents Using Diaziridinone”, *Org. Lett.* **2014**, *16*, 6144–6147. (SCI, IF = 6.324)
- (14) **Yingguang Zhu**, Yian Shi*, “Cu(I)-Catalyzed Sequential Diamination and Dehydrogenation of Terminal Olefins: A Facile Approach to Imidazolinones”, *Chem. Eur. J.* **2014**, *20*, 13901–13904. (SCI, IF = 5.696)
- (13) **Yingguang Zhu**, Changwei Zhai, Yongli Yue, Liping Yang, Wenhao Hu*, “One-pot three-component tandem reaction of diazo compounds with anilines and unsaturated ketoesters: a novel synthesis of 2,3-dihydropyrrole derivatives”, *Chem. Commun.* **2009**, 1362–1364. (SCI, IF = 6.718)
- (12) **Yingguang Zhu**, Baoguo Zhao, Yian Shi*, “Highly Efficient Cu(I)-Catalyzed Oxidation of Alcohols to Ketones and Aldehydes with Diaziridinone”, *Org. Lett.* **2013**, *15*, 992–995. (SCI, IF = 6.324) (highlighted by *Synform* **2013**, A85–A86)
- (11) **Yingguang Zhu**, Yian Shi*, “Facile Cu(I)-Catalyzed Oxidative Coupling of Anilines to Azo Compounds and Hydrazines with Diaziridinone under Mild Conditions”, *Org. Lett.* **2013**, *15*, 1942–1945. (SCI, IF = 6.324)

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- (9) **Yingguang Zhu**, Changwei Zhai, Liping Yang, Wenhao Hu*, “Highly Regioselective, Three-Component Reactions of Diazoacetates with Anilines and β,γ -Unsaturated α -Keto Esters: 1,2-Addition versus 1,4-Addition”, *Eur. J. Org. Chem.* **2011**, 1113–1124. (SCI, IF = 3.154)
- (8) **Yingguang Zhu**, Hongzhu Kan, Liqin Jiang, Wenhao Hu*, “Practical and Scalable Synthesis of Ethyl (*R*)-Piperidine-3-acetate”, *Synth. Commun.* **2012**, *42*, 1137–1145. (SCI, IF = 0.984)
- (7) **Yingguang Zhu**, Changwei Zhai, Wenhao Hu*, “Asymmetric Multicomponent Reactions”, *Progress in Chemistry* **2010**, *22*, 1380–1396. (SCI, IF = 0.714)
- (6) Huaiji Zheng, **Yingguang Zhu**, Yian Shi*, “Palladium(0)-Catalyzed Heck Reaction/C–H Activation/Amination Sequence with Diaziridinone: A Facile Approach to Indolines”, *Angew. Chem. Int. Ed.* **2014**, *53*, 11280–11284. (SCI, IF = 11.336)
- (5) Xingao Peng, **Yingguang Zhu**, Thomas A. Ramirez, Baoguo Zhao, Yian Shi*, “New Reactivity of Oxaziridine: Pd(II)-Catalyzed Aromatic C–H Ethoxycarbonylation via C–C Bond Cleavage”, *Org. Lett.* **2011**, *13*, 5244–5247. (SCI, IF = 6.324)
- (4) Thomas A. Ramirez, Qian Wang, **Yingguang Zhu**, Huaiji Zheng, Xingao Peng, Richard G. Cornwall, Yian Shi*, “Pd(0)-Catalyzed Sequential C–N Bond Formation via Allylic and Aromatic C–H Amination of α -Methylstyrenes with Diaziridinone”, *Org. Lett.* **2013**, *15*, 4210–4213. (SCI, IF = 6.324)
- (3) Jingjing Ji, Xia Zhang, **Yingguang Zhu**, Yu Qian, Jing Zhou, Liping Yang, Wenhao Hu*, “Diastereoselectivity Switch in Cooperatively Catalyzed Three-Component Reactions of an Aryldiazoacetate, an Alcohol, and a β,γ -Unsaturated α -Keto Ester”, *J. Org. Chem.* **2011**, *76*, 5821–5824. (SCI, IF = 4.638)
- (2) Xia Zhang, Jingjing Ji, **Yingguang Zhu**, Changcheng Jing, Ming Li, Wenhao Hu*, “A highly diastereoselective three-component tandem 1,4-conjugated addition–cyclization reaction to multisubstituted pyrrolidines”, *Org. Biomol. Chem.* **2012**, *10*, 2133–2138. (SCI, IF = 3.487)
- (1) Baoguo Zhao, Xingao Peng, **Yingguang Zhu**, Thomas A. Ramirez, Richard G. Cornwall, Yian Shi*, “Cu(I)-Catalyzed Diamination of Conjugated Dienes. Complementary Regioselectivity from Two Distinct Mechanistic Pathways Involving Cu(II) and Cu(III) Species”, *J. Am. Chem. Soc.* **2011**, *133*, 20890–20900. (SCI, IF = 11.444)