



朱军：厦门大学教授，博导，课题组长。2000年和2003年分别获厦门大学理学学士和硕士学位，2007年获香港科技大学博士学位。先后在香港大学和瑞典乌普萨拉大学从事博士后研究。2010年7月底引进至厦门大学化学化工学院工作。主要研究领域为理论有机化学。围绕芳香性取得了一系列创新性的成果，主要包括：1) 发现并确认了过渡金属诱导的Möbius芳香性和超共轭芳香性；2) 发现不饱和体系的 $\sigma$ -芳香性；3) 提出自适应芳香性的概念；4) 将芳香性的概念应用到小分子活化领域。2014年获中组部万人计划青年拔尖人才支持。2015年获福建省高校领军人才支持。在相关领域发表SCI论文100余篇，包括以通讯作者发表在Acc. Chem. Res.、Nat. Chem.、Nat. Commun.、Angew. Chem. Int. Ed.、J. Am. Chem. Soc.等学术期刊上。相关工作不仅诠释了实验中相关配合物奇特的电子结构，并提出了自适应芳香性的概念，预测了芳香性在氮气活化中的重要作用，为实验化学家的相关验证提供了重要参考，为芳香化学的发展作出了显著贡献。相关研究成果被《Nature Chemistry》、《Nature China》、ACS的“Noteworthy Chemistry”栏目、Wiley旗下的ChemistryViews网站以及国家自然科学基金委等中外科技媒体评论或报道。

## Curriculum Vitae



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### Academic Qualifications:

2000: (BSc) Dept of Chemistry, Xiamen University, Xiamen, PR China

2003: (MSc) Dept of Chemistry, Xiamen University, Xiamen, PR China

2007: (PhD) Dept of Chemistry, The Hong Kong University of Science and Technology (Advisor: Professor Zhenyang Lin)

2007-2008: Research Associate in Prof. Dan Yang's group, The University of Hong Kong

2008-2010: Postdoctoral Research Associate in Prof. Henrik Ottosson's group, Uppsala University

07/2010 – 12/2017: Associate Professor at Department of Chemistry, Xiamen University

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01/2018 – now: Professor at Department of Chemistry, Xiamen University

### Research Interests:

Physical organic chemistry: Investigate the structure and bonding, reaction mechanisms in organic/organometallic chemistry via quantum calculations and test our predictions via tight collaborations with top experimental groups.

### Full Publication List:

110. Predicting an Antiaromatic Benzene Ring in the Ground State Caused by Hyperconjugation. Yu Zhao, Qiong Xie, Tingting Sun, Jiashun Wu, **Jun Zhu\***, *Chem. Asian J.* **2019**, *14*, Accepted Article. DOI: [10.1002/asia.201901261](https://doi.org/10.1002/asia.201901261).

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101. Aromaticity-promoted C–F Bond Activation in Rhodium Complex: A Facile Tautomerization. Ting Shen, Qiong Xie, Yuanyuan Li, **Jun Zhu\***, *Chem. Asian J.* **2019**, *14*, 1937-1940. DOI: [10.1002/asia.201900294](https://doi.org/10.1002/asia.201900294).

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