



王 超

### 教育经历

2006.09-2010.06 华中师范大学化学学院（本科）

2010.09-2015.06 中科院武汉物理与数学研究所（博士）

### 研究方向

固体核磁，多相催化

### 兴趣爱好

乒乓球，笛子

### 发表刊物

- [1] X. Zhou<sup>#</sup>, **C. Wang<sup>#</sup>**, Y. Chu<sup>#</sup>, J. Xu, Q. Wang, G. Qi, X. Zhao, N. Feng, F. Deng, Observation of an oxonium ion intermediate in ethanol dehydration to ethene on zeolite, **Nat. Commun.**, 10 (2019) 1961. (*equal contribution*)
- [2] **C. Wang**, Y. Chu, J. Xu, Q. Wang, G. Qi, P. Gao, X. Zhou, F. Deng, Extra-Framework Aluminum-Assisted Initial C–C Bond Formation in Methanol-to-Olefins Conversion on Zeolite H-ZSM-5, **Angew. Chem. Int. Ed.**, 57 (2018) 10197-10201.
- [3] **C. Wang**, J. Xu, Q. Wang, X. Zhou, G. Qi, N. Feng, X. Liu, X. Meng, F.S. Xiao, F. Deng, Host-Guest Interactions and Their Catalytic Consequences in Methanol to Olefins Conversion on Zeolites Studied by <sup>13</sup>C–<sup>27</sup>Al Double-Resonance Solid-State NMR Spectroscopy, **ACS Catal.**, 7 (2017) 6094-6103.
- [4] **C. Wang**, X. Sun, J. Xu, G. Qi, W. Wang, X. Zhao, W. Li, Q. Wang, F. Deng, Impact of temporal and spatial distribution of hydrocarbon pool on methanol conversion over H-ZSM-5, **J. Catal.**, 354 (2017) 138-151.
- [5] **C. Wang**, Q. Wang, J. Xu, G. Qi, P. Gao, W. Wang, Y. Zou, N. Feng, X. Liu, F. Deng, Direct Detection of Supramolecular Reaction Centers in the Methanol-to-Olefins Conversion over Zeolite H-ZSM-5 by <sup>13</sup>C–<sup>27</sup>Al Solid-State NMR Spectroscopy, **Angew. Chem. Int. Ed.**, 55 (2016) 2507-2511.
- [6] **C. Wang**, J. Xu, G. Qi, Y. Gong, W. Wang, P. Gao, Q. Wang, N. Feng, X. Liu, D. Feng, Methylbenzenes hydrocarbon pool in methanol to olefins conversion over zeolite H-ZSM-5, **J. Catal.**, (2015) 127-137.
- [7] **C. Wang**, X. Yi, J. Xu, G. Qi, P. Gao, W. Wang, Y. Chu, Q. Wang, N. Feng, X. Liu, A. Zheng, F. Deng, Experimental Evidence on the Formation of Ethene through Carbocations in Methanol Conversion over H-ZSM-5 Zeolite, **Chem. Eur. J.**, 21 (2015) 12061-12068.
- [8] **C. Wang**, Y. Chu, A. Zheng, J. Xu, Q. Wang, P. Gao, G. Qi, Y. Gong, F. Deng, New Insight into the Hydrocarbon-Pool Chemistry of the Methanol-to-Olefins Conversion over Zeolite H-ZSM-5 from GC-MS, Solid-State NMR Spectroscopy, and DFT Calculations, **Chem. Eur. J.**, 20 (2014) 12432-12443.