

# 2017-2018 Annual Meeting

February 5, 2018 (Monday) 能源基础楼一楼会议室

## Session I Chairpersons: Xiaoping Tao, Fengyuan Liu

- 08:30-08:55 Wengang Guo Gold-Catalyzed Cascade Reactions for the Synthesis of Chiral Trispirocyclic Frameworks.  
金催化串联反应合成手性三螺环骨架化合物
- 08:55-09:20 Yong Liu Photoelectrical imaging of ferroelectric photocatalyst  
铁电光催化剂的光电成像
- 09:20-09:45 Jingqi Guan Water oxidation on mononuclear manganese coordinated with nitrogen-doped graphene  
氮掺杂石墨烯锚定的单核锰在水氧化反应中的性能研究

Break (10 min)

## Session II Chairpersons: Lina Liu, Kai Wang

- 09:55-10:20 Kumaraswamy Paridala Silyloxy carbonylation: carboxylic acids from aryl/vinyl halides by using CO<sub>2</sub> as CO surrogate  
硅氧羰基化反应: 从CO的替代物CO<sub>2</sub>和芳基及芳基乙烯基卤代物出发制备羧酸化合物
- 10:20-10:45 Xuan Liu The organic semiconductor side chains modification for organic solar cells  
有机半导体侧链调控在有机太阳能电池中的研究
- 10:45-11:10 Miao Guo Tuning catalytic performance of metal NPs by immobilized organic ligands  
固载的有机配体对金属纳米粒子催化性能的调控

Lunch

## Session III Chairpersons: Qing Yang, Yuanzhi Qu

- 14:00-14:25 Jijie Wang Solid solution catalysts for CO<sub>2</sub> hydrogenation to methanol  
固溶体催化剂上CO<sub>2</sub>加氢制甲醇
- 14:25-14:50 Dandan Tu Novel anthracenediimide-based polymer acceptors for non-fullerene organic solar cells  
基于蒽二酰亚胺新型高分子受体材料的非富勒烯太阳能电池
- 14:50-15:15 Cen Zhang Controllable synthesis of (Co)MoS<sub>2</sub> catalysts and their application in the HDS of FCC gasoline  
(Co)MoS<sub>2</sub>催化剂的可控合成及在催化裂化汽油加氢中的应用研究

Break (10 min)

## Session IV Chairpersons: Yuying Gao, Bin Zeng

- 15:25-15:50 Zelong Li Hydrogenation of CO<sub>2</sub> to olefins and aromatics  
CO<sub>2</sub>加氢制备烯烃、芳烃
- 15:50-16:15 Zhen Li Research of the photosystem II-semiconductor hybrid system for solar water splitting  
光系统II-半导体杂化体系光电催化分解水的研究
- 16:15-16:40 Shan Pang Two dimensional simulation of built-in electric field vector in the micro-nano scale for photocatalytic materials.  
光催化材料微纳尺度的二维内建电场矢量模拟
- 16:40- Can Li

Note: 25 min per talk, including 5 min discussion