

# 2015-2016 Annual Meeting

January 31, 2016 (Sunday) 能源基础楼一楼会议室

## Session I Chairpersons: Jing Zhang, Yongle Zhao

- 08:30-08:55 Zhiliang Wang In rust we trust  
基于  $\text{Fe}_2\text{O}_3$  的光电化学的探讨
- 08:55-09:20 Ping Fu Interface engineering in bulk-heterojunction polymer solar cells  
聚合物太阳能电池的系列界面工程调控
- 09:20-09:45 Zhijun Wang A study of homogeneous hydrogenation of  $\text{CO}_2$  to formic acid and formic acid dehydrogenation  
均相二氧化碳加氢制甲酸及甲酸脱氢研究

Break (10 min)

## Session II Chairpersons: Cen Zhang, Yue Zhao

- 09:55-10:20 Weiguang Ma Light (electric) chemically assisted transformation of hydrogen sulfide  
光（电）化学辅助硫化氢转化研究
- 10:20-10:45 Ruotian Chen Direct imaging and micro-manipulating of photogenerated charge separation on single crystal  $\text{Cu}_2\text{O}$  photocatalyst  
 $\text{Cu}_2\text{O}$  单晶光催化剂表面光生电荷分离的成像研究以及微观控制
- 10:45-11:10 Bao Zhang Selective photocatalytic conversion of organic moleculars and biomass  
光催化选择性转化有机小分子和生物质
- 11:10-11:35 Zhenpan Chen Thermochemical  $\text{H}_2\text{O}/\text{CO}_2$  splitting  
太阳能光热化学分解  $\text{H}_2\text{O}$  和  $\text{CO}_2$  的研究

Lunch

## Session III Chairpersons: Jian Chen, Ruotian Chen

- 14:00-14:25 Shengyang Wang The essential role of gold-support interface in surface plasmon induced water oxidation  
金-半导体界面在表面等离子体共振诱导的水氧化反应中的关键作用
- 14:25-14:50 Taifeng Liu Photogenerated charge separation among different crystal facets studied by density functional theory  
不同晶面间光生电荷分离的理论研究
- 14:50-15:15 Mingmei Zhong Expoxides hydration on  $\text{Co}(\text{salen})\text{-OTs}$  encapsulated in silica nanocages modified with prehydrolyzed TMOS  
纳米反应器中的催化水合制乙二醇

Break (10 min)

## Session IV Chairpersons: Jingya Hao, Heng Yin

- 15:25-15:50 Linchao Mu Spatial separation of catalytic sites on anisotropic facets of  $\text{SrTiO}_3$  nanocrystal for overall water splitting  
钛酸锶纳米晶光催化剂全分解水中晶面间催化活性位点分离的研究
- 15:50-16:15 Xin Guo An odyssey of organic solar cells  
有机太阳能电池的过去、现在和未来
- 16:15- Can Li

Note: 25 min per talk, including 5 min discussion