
2011-2012 Annual Meeting

January 15, 2012

8:30-8:40 Opening Ceremony
Chairpersons: Jia Liu & Yinghao Li

Session I *Chairperson: Guiji Liu*

8:40-9:10 Jingying Shi Fast and Facile Microwave-assisted Hydrothermal Synthesis of Perovskite NaTaO₃ Nanocrystals and Photocatalytic Performance for Overall Water Splitting
微波水热法快速制备 NaTaO₃ 纳米晶及其光催化分解水性能研究

9:10-9:40 Ruifeng Chong Photocatalytic Reforming Biomass to H₂ and Chemicals
Jun Li, Yi Ma 光催化重整生物质制氢和化学品

9:40-10:10 Chunyan Yang Hydrothermal Growth of CdS Nanorod Arrays on FTO Substrate for Hybrid Photovoltaic Applications
CdS 纳米棒阵列在 FTO 导电基底上的水热法制备及在杂化电池中的应用

Tea break (10 min)

Session II *Chairperson: Xiaojia Zheng*

10:20-10:50 Jun Chen Natural and Hybrid Photosystems
自然与人工杂化光合系统

10:50-11:20 Fuyu Wen Photocatalytic H₂ Production on Hybrid Photocatalysts Containing Semiconductor as Light-harvester and Hydrogenase Mimic as Hydrogen Evolution Catalyst
以半导体为吸光组分、模拟氢化酶为产氢催化剂所构成的复合催化剂的光催化制氢研究

Lunch

Session III *Chairperson: Qingqing Jiang*

13:30-14:00 Fuxiang Zhang Fundamental Investigation of Photocatalytic Water Splitting for H₂ or O₂ Evolution Utilizing Wide Visible Light
长波段可见光催化分解水制氢和氧的探索研究

14:00-14:30 Feng Lin Photocatalytic Oxidation of Thiophene on BiVO₄ with dual co-catalysts Pt and RuO₂ under Visible Light Irradiation Using Molecular Oxygen as Oxidant
Dong'e Wang 担载双助催化剂 Pt 和 RuO₂ 的 BiVO₄ 在可见光下以分子氧为氧化剂光催化氧化噻吩反应的研究

14:30-15:00 Rengui Li Introduction of Domen-Kubota Laboratory and Report of A3 Program
Jinfeng Han 堂免-久保田研究室学习总结以及 A3 会议报告

Tea break (10 min)

Session IV *Chairperson: Shanshan Chen*

15:10-15:40	<u>Qiang Guo</u>	A Thorough Investigation on the Active Titanium Species in TS-1 Zeolite by UV Resonance Raman Spectroscopy TS-1 分子筛中活性钛物种的紫外拉曼光谱研究
15:40-16:10	<u>Jia Liu</u>	Silica-based Mesoporous Organic-inorganic Hybrid Materials for Enzyme Immobilization 有机-无机杂化介孔材料的酶固载研究
16:10-16:40	<u>Boyu Zhang</u>	The Course of Designing and Synthesizing New Chiral Emulsion Catalysts 设计合成新型手性乳液催化剂

16:40- Concluding remarks by Prof. Can Li

17:30- New Year's Party (Organized by *Peng Wang*)

Note:

- 1) 30 min per talk, including 5 min discussion.
- 2) Talk should include background, results, discussion, conclusion and perspective sections.

