

2020-2021 年度学术报告会(Annual Meeting)

February 3, 2021 (Wednesday) 能源楼会议中心

Session I 主持人(Chairpersons): 尹航(Hang Yin), 李东峰(Dongfeng Li)

- 09:00-09:10 董延宝(Yanbao Dong) 防疫及安全规定
09:10-09:35 王集杰(Jijie Wang) 碳中和技术-液态阳光
Liquid sunshine-a technology of carbon neutrality
09:35-10:00 聂伟(Wei Nie) 电催化中电化学过程的原位纳米成像
In-situ nano-imaging of electrochemical process in electrocatalysis
10:00-10:25 李定颀(Dingyi Li) 非基因策略导出微藻光合电子用于人工光合成
Non-genetic drainage of microalgal photosynthetic electrons for artificial photosynthesis

Break (20 min)

Session II 主持人(Chairpersons): : 肖娟定(Juanding Xiao), 蒋晓庆(Xiaoqing Jiang)

- 10:45-11:10 王庆楠(Qingnan Wang) 精细化学品对甲基苯甲醛的合成探索
Exploration in the synthesis of fine chemicals p-methyl benzylaldehyde
11:10-11:35 康婉超(Wanchao Kang) 氧化钴表面催化水氧化的动态变价过程及微观动力学研究
Dynamic valence state change and microkinetics for oxygen evolution reaction on cobalt oxide
11:35-12:00 龙桂发(Guifa Long) 掺杂的原子级分散钼协同提高 Ni 碱性 HER 活性
Boosting the HER activity of Ni in alkaline by the synergia of atomically dispersed Mo doping

Lunch

Session III 主持人(Chairpersons): 雷文龙(Wenlong Lei), 赵淼(Miao Zhao)

- 14:00-14:25 李鑫亮(Xinliang Li) 光热协同甲烷还原二氧化碳 -- 一种利用全光谱能量大量制备太阳能燃料的策略
Photo-thermal synergetic CO₂ reduction by methane (CRM) -- A strategy to achieve massive solar fuels utilizing the energy of full solar spectrum
14:25-14:50 曲江珊(Jiangshan Qu) 透射电子显微镜原理及其在催化领域的应用
Transmission electron microscope and its application in heterocatalysis
14:50-15:15 林祥丰(Xiangfeng Lin) 金属路易斯酸催化邻亚甲基醌的不对称催化研究
Asymmetric catalysis of o-QMs by metal Lewis acids

Break (15 min)

Session IV 主持人(Chairpersons): 孙艺萌(Yimeng Sun), 李定颀(Dingyi Li)

- 15:30-15:55 叶盛(Sheng Ye) 多媒介调控策略用于无偏压光电催化全分解水
Unassisted photoelectrochemical cell with multi-mediator modulation for solar water splitting
15:55-16:20 刘扬(Yang Liu) 对原子级分散的 Pt 在碱性溶液中 Pt 掺杂的 Ni 基电催化剂上析氢反应中的促进作用的 DFT 研究
DFT study of atomically dispersed Pt's role in promoting HER on Pt-doped Ni electrocatalyst in alkaline solution
16:20-16:45 赵越(Yue Zhao) 晶面间光生电荷分离及在氢农场中的应用研究
Study on photogenerated charge separation between different facets and the application to Hydrogen Farm Project (HFP)
16:45-17:10 郭文岗(Wengang Guo) 不对称 N-H 插入反应合成手性 α -芳基甘氨酸
Catalytic asymmetric N-H insertion reactions for the efficient synthesis of chiral α -aryl glycines

Note:

25 min per talk, including 5 min discussion