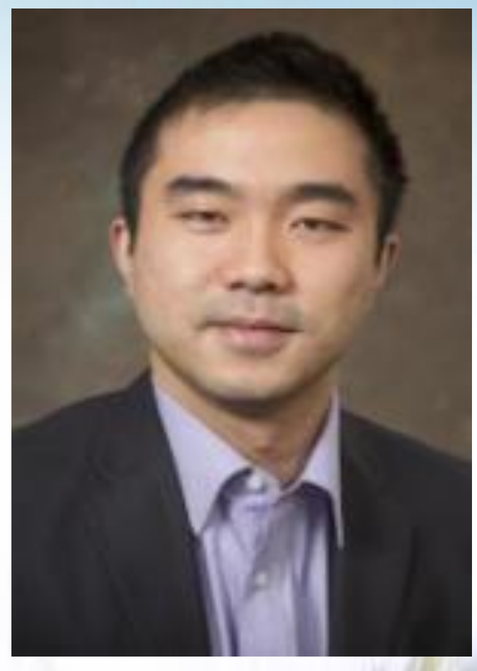
学 术 报 告

State Key Laboratory of Chemical Resource Engineering

报告名称：Structural Design and Synthesis of Multi-Component Hybrid Materials for Electrocatalysis



报告人：王海梁

时间：2016-5-9（周一）

上午10:00—11:30

地点：图书馆中心会议室

报告人简介：

Philomathia Postdoctoral Fellow, University of California, Berkeley
Advisor: Gabor A. Somorjai
Ph.D. in Chemistry, Stanford University (USA) Advisor: Hongjie Dai
B.S. Degree in Chemistry, Peking University (CHINA)
B.A. Degree in Economics, Peking University (CHINA)

Academic Awards and Honors

IUPAC Prize for Young Chemists
Philomathia Postdoctoral Fellowship, University of California, Berkeley
Chinese Government Award for Outstanding Self-financed Students Abroad, Extraordinary Potential Prize
Young Investigator Award, Division of Inorganic Chemistry, American Chemical Society
Graduate Student Award (Silver), Materials Research Society
Stanford Graduate Fellowship, Stanford University

报告内容：

We are interested in novel materials, structures and the underlying structure-property correlations that are useful for solving energy challenges. Our research strategy is to design and synthesize multi-component material structures in which each component serves a specific purpose and cooperates synergistically with the other components to achieve superior electrochemical performance for energy storage and conversion. The talk will cover our studies on metal/oxide interface nanostructures, transition metal phosphosulfide nanomaterials, and metal-phosphide core-shell nanostructures for electrocatalytic hydrogen evolution reactions. Results on utilizing metal complex structures for electrocatalytic conversion of carbon dioxide to fuels will also be presented.

北京化工大学化工资源有效利用国家重点实验室
北京化工大学能源学院
北京化工大学理学院
北京化工大学研究生院
孙晓明教授课题组