

Programme Agenda

09 November 2019		
Time	Session	Chair
08:30	Welcome and introduction	
Session	<u>Hydrogen/oxygen/advanced photocatalysis</u>	
08:40	Nanostructured Layered Double Hydroxide Based Photocatalysts for Efficient Solar Fuels and Value-added Chemicals Tierui Zhang, <i>Technical Institute of Physics and Chemistry (TIPC), CAS</i>	Shaojun Guo
09:10	Red TiO₂ for Solar-Driven Water Splitting Gang Liu, <i>Institute of Metal Research, CAS</i>	
09:40	Photo & Coffee Break	
10:10	Spatial characterization of semiconductors photocatalysts in solar fuel production Fengtao Fan, <i>Dalian Institute of Chemical Physical, CAS</i>	Tierui Zhang
10:35	Rational design of cuprous oxide-based photocathode for direct photoelectrochemical water reduction Zhonghai Zhang, <i>East China Normal University</i>	
11:00	Photoelectrochemical and Photovoltaic Systems for Solar Fuel Production Jingshan Luo, <i>Nankai University</i>	
11:25	Round Table Discussion Jun Li, Zhaohui Ren, Run Shi, Lei Yu, Kan Zhang, Liming Zhang, Zhaoke Zheng	
12:10	Lunch	
Session	<u>Single-atom catalysis</u>	
13:30	Surface Coordination Chemistry of Metal Nanocatalysts Nanfeng Zheng, <i>Xiamen University</i>	Weilin Xu
14:00	The application of synchrotron radiation X-ray spectroscopy in characterization from single atom to cluster Zheng Jiang, <i>Shanghai Institute of Applied Physics, CAS</i>	
14:25	Catalyst performance of single-atom sites and interfacial sites of nanocatalyst Botao Qiao, <i>Dalian Institute of Chemical Physical, CAS</i>	
14:50	Rational design of catalyst towards fuel cell: from surface to atom Yuen Wu, <i>University of Science and Technology of China</i>	
15:15	Round Table Discussion Yi Cheng, Zhiming Cui, Junjie Ge, Shaojun Guo, Shuangyin Wang	
16:00	Coffee Break	
16:30	Publishing workshop	Guanqun Song, Wenjun Liu
18:00	Forum Banquet	

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Session	<u>CO₂ electrocatalysis/photocatalysis</u>	
08:00	Identification of Catalytically Active Sites in Carbon-based Catalysts for Electrochemical CO₂ Reduction Bin Liu, <i>Nanyang Technological University, Singapore</i>	Yanguang Li
08:30	Nanostructured Electrocatalyst for CO₂ Reduction Gengfeng Zheng, <i>Fudan University</i>	
08:55	Electrocatalytic reduction of CO₂ over nanostructured catalysts Guoxiong Wang, <i>Dalian Institute of Chemical Physical, CAS</i>	
09:20	Round Table Discussion Min Liu, Wei Sun, Zhenyu Sun, Yaobing Wang, Sai Zhang	
10:00	Coffee Break	
Session	<u>Theoretical and computational studies of catalysis</u>	
10:20	Structure and electronic structure of functional materials under symmetric breaking Lin Gu, <i>Institute of Physics, CAS</i>	Lin Gu
10:50	Atomic-scale low-voltage electron microscopy for catalysis research Wu Zhou, <i>University of Chinese Academy of Sciences</i>	
11:15	Rational Design of Two-Dimensional Electrocatalysts Yafei Li, <i>Nanjing Normal University</i>	
11:40	Round Table Discussion Wei Chen, Yi Cui, Landong Li, Lei Liu, Siyu Lu, Bingsen Zhang	
12:20	Lunch	
Session	<u>Water splitting electrocatalysis</u>	
13:30	Gas superwetting nanoarray electrodes Xiaoming Sun, <i>Beijing University of Chemical Technology</i>	Shuangyin Wang
14:00	Synergistically Electronic and Structural Engineering of Electrocatalysts towards Efficient Electrochemical Water Splitting Jinsong Hu, <i>Institute of Chemistry, CAS</i>	
14:25	Engineering atomic structures of transition metal oxides for electrocatalysis Tao Ling, <i>Tianjin University</i>	
14:50	Round Table Discussion Yu Chen, Liangxin Ding, Minrui Gao, Hongwen Huang, Zhicai Xing, Jintao Zhang, Xiaoxin Zou	
15:30	Coffee Break	
Session	<u>Fuel cell electrocatalysis</u>	
15:50	Electrocatalysts for Hydrogen Oxidation Reaction in Alkaline Solution Deli Wang, <i>Huazhong University of Science & Technology</i>	Shaojun Guo
16:15	Catalyst Design for Hydroxide Exchange Membrane Fuel Cells Zhongbin Zhuang, <i>Beijing University of Chemical Technology</i>	
16:40	Strain Catalysis for Oxygen Reduction Shaojun Guo, <i>Peking University</i>	
17:10	Round Table Discussion Ligang Feng, Qing Li, Zhonghua Xiang, Chenxi Xu, Lin Xu, Tao Yang, Jianan Zhang	
17:50	Close	