

May 24–26, 2014
Wuxi China

2014 China-Japan-Korea Joint Conference on Photocatalysis and its International Standards

Program of CJK-JCPS2014

May 25, 2014

Forum Language: English

Chair: Zhensheng Zhao、Honggang Fu

8:30-9:00	Opening ceremony		
9:00-9:10	Photograph		
9:10-9:40	(Keynote) Enhanced Photocatalytic Performance Induced by Surface Oxygen Vacancy	Yongfa Zhu	Tsinghua University, China
9:40-10:10	(Keynote) Comparison of UV and Visible Light Activities among Various Photocatalysts	Wonyong Choi	Pohang Univ. of Sci. Technol. (POSTECH), Korea
10:10-10:30	Coffee Break		
10:30-11:00	(Invited talk) Development of International Standards for Testing Photocatalytic Materials	Koji Takeuchi	National Institute of Advanced Industrial Science and Technology, Japan
11:00-11:30	(Invited talk) A Wastewater Treatment System Fabricated by Combined TiO ₂ -zeolite Photocatalyst and Electrochemical Degradation and New ISO standards propose	Jinfang Zhi	Technical Institute of Physics and Chemistry, CAS, China
12:00-13:00	Lunch		
Chair: Quan Xie 、 Wenxin Dai			
14:00-14:30	(Invited talk) Hierarchical Assembly of Photocatalysts with Enhanced Activity	Hexing Li	Shanghai Normal University, China
14:30-15:00	(Invited talk) Activity Test of Visible light responding (VLR) Photocatalyst under Blue and Violet LED Irradiation with a FTIR ; Gaseous TCE	Tai Kyu Lee	NANOPAC Co Ltd, Korea
15:00-15:30	(Invited talk) New Test Method for Determining of Photocatalytic activity on Semiconducting Photocatalytic Materials by Dissolved Oxygen Consumption	Tsutomu Hirakawa	National Institute of Advanced Industrial Science and Technology, Japan

15:30-15:50	Surface Structure-dependent hydrogen production activity of Pt@CuO/TiO ₂ by water splitting	Fei Teng	Nanjing University of Information Science & Technology, China
15:50-16:10	Coffee Break		
16:10-16:30	Photocatalytic Biofouling Prevention by Bi ₂ MoO ₆ with Preferential Orientation under Visible-Light	Jianqiang Yu	Qingdao University, China
16:30-16:50	Large-scale production, properties and applications of nanocrystalline N-TiO ₂ photocatalyst	Wen-Bin CAO	University of Science and Technology Beijing, China
16:50-17:10	Water-based Photocatalyst Coating	Chien-Chen Wu	Eternal Chemical Co., Ltd., China
17:10-17:30	Seed-induced TiO ₂ Mesoporous Crystal on 2D g-C ₃ N ₄ Nanosheet with Dramatically Enhanced Photocatalytic Activity	Yongli Li	Beijing University of Technology, China
17:30-17:50	preparation and characterization of a novel WO ₃ /TiO ₂ photocatalytic films	Guoqing Zhang	Shunde Dowell Science & Technology Environmental Protection Engineering CO.LTD, Guangdong University of Technology, China
17:50-18:10	A Ta ₃ N ₅ Photoanode with High Solar Photocurrent in Water Splitting via Facile Elimination of Surface Recombination Centers	Wenjun Luo	Nanjing University
18:30-20:30	Banquet		

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Chair: Jinshu Wang , Liangzhuan Wu

8:30-9:00	(Invited talk) How to enhance the solar energy utilization: the case of Ce _{1-x} Bi _x O _{2-δ}	Wenzhong Wang	Shanghai Institute of Ceramics of the Chinese Academy of Sciences, China
9:00-9:30	(Invited talk) Fabrication and Characterization of Photocatalytic Devices for Artificial Photosynthesis	Young Soo Kang	Sogang University in Seoul, S. Korea
9:30-9:50	Organic-titania monolith for self-cleaning coating with photoinduced self-healing ability	Shanhu Liu	Tokyo University of Science Photocatalysis International Research Center
9:50-10:10	Efficient Oxide-based Photocatalysis for Energy and Environment	Liqiang Jing	Heilongjiang University, China
10:10-10:30	Coffee Break		
10:30-10:50	Heterogeneous photocatalysis degradation of toxic pollutants under visible-light irradiation	Yanrong Zhang	Huazhong University of Science and Technology, China
10:50-11:10	Three-dimensionally ordered macroporous InVO ₄ : Fabrication and excellent visible-light-driven photocatalytic performance	Jiguang Deng	Beijing University of Technology, China

	for methylene blue degradation		
11:10-11:30	GB Standard Methods for Photocatalytic Performance Testing in Our Laboratory	Yanyan Yao	Purui Bio-Environmental Science and Technology Co., Ltd., China
11:30-11:50	The Encapsulation of CdS into Carbon Nanotube for Photocorrosion Suppression	Yajun Wang	China University of Petroleum (Beijing)
12:00-13:00	Lunch		
Chair: Yanrong Zhang 、 Wenzhong Wang			
14:00-14:30	(Invited talk) Materials for Photocatalytic Solar Fuel	Yong Zhou	Nanjing University, Chin
14:30-14:50	Photoelectronchemical Activity of TiO ₂ nanomaterials	Jinshu Wang	Beijing University of Technology, China
14:50-15:10	Low cost and Large-Area Fabrication of Flexible Self-Cleaning coating on polymeric Film based on Electroless-Plating-Like Solution Deposition Approach	Liangzhuan Wu	Technical Institute of Physics and Chemistry, CAS, China
15:10-15:30	Strategically designed porous polysilicate acid/graphene composites for methylene blue removal	Chubei Wang	Xinxiang University, China
15:30-15:50	Self-cleaning coatings on coil industry application	Sheng-Wei Lin	Eternal Chemical Co., Ltd. , China
15:50-16:10	Assembled Multifunctional Photocatalysts for Improved Activity, Recycling Stability and Recovery	Jinghai Liu	Inner Mongolia University for the Nationalities, China
17:00-19:00	Supper		