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## 2010 Annual Meeting of Group 503 & 506

January 22, 2011

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8:30-8:45 Opening Ceremony  
*Chairpersons: Jingfeng Han & Yi Ma*

**Session I** *Chairpersons: Dong Yang & Dong Zhong*

8:45-9:10 Lei Huang Effect of surface modification on photocatalytic H<sub>2</sub> production using CdS quantum dots  
9:10-9:35 Dong'e Wang Oxygen evolution from photocatalytic water oxidation on BiVO<sub>4</sub> deposited with CoPOx co-catalyst  
9:35-10:00 Shimin Cheng Investigation of surface treatment effect of catalyst for HWCVD

Tea break

**Session II** *Chairpersons: Qianru Jin & Zaihong Guan*

10:10-10:35 Bo Li Catalysis by metal complexes encapsulated in nanocages  
10:35-11:00 Shiyang Bai Confinement effect of the nanocages for chiral catalysts  
11:00-11:25 Jiao Zhao Crystalline coordination polymer nanoparticles and their transformation into metal oxide nanostructure via "Escape by Crafty Scheme" mechanism

Lunch

**Session III** *Chairpersons: Qiang Guo & Shiyang Bai*

14:00-14:25 Changhao Wang The first natural G-quaduplex DNA metalloenzyme induced enantioselectivity in Diels-Alder reaction  
14:25-14:50 Qianru Jin Influence of hydrophobic/hydrophilic microenvironment on the catalytic performance of pseudomonas cepacia lipase immobilized in mesoporous foam  
14:50-15:15 Boyu Zhang Oxidation of thiophene over a dual activation in Brønsted acidic ionic liquid by tungstates-based catalyst

Tea break

**Session IV** *Chairpersons: Nanfang Tang & Feng Lin*

15:25-15:50 Xiuli Wang Trap states and carrier dynamics of TiO<sub>2</sub> and their roles in photocatalysis  
15:50-16:15 Guanna Li Reaction mechanism of benzene oxidation over Fe-ZSM/5 studied by DFT calculation  
16:15-16:50 Jian Zhang Characterization of semiconductor heterostructures and nanostructures

16:50- Concluding remarks by Prof. Can Li

17:30- New Year's Party (Organized by *Dong Yang & Nan Wang*)

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