The 4th Seminar of A3 Foresight Program

ü ü Junctioned Composite Photocatalytic Systems for Efci9-747.7 -otnt O Ever(i)7(i)5()23(W)57(a Ph)-ht 4(

Session 3	Chairs: lingtong Han and Dr. Duck Hyun Youn				
15:4016:05					
15.4010.05	J3-Tomohiro Asai				
	Study on Preparation of $(\mathbb{Z}Ga_{1-x})(O_xN_{1-x})$ Photocatalysts with Longe				
16.05 16.20	Absorption Edges for Overall Water Splitting				
16:0516:30	K4-Won Yong Kim				
	Carbon Dioxide Reformingof Methane over Nickel Supported on Alun Catalyst				
16:3016:55					
10.3010.35	C4-Chunmei Ding Photoelectrochemical Overall Water Splitting Using Cocatalyst/B				
	Photoelectrochemical Overall Water Splitting Using Cocatalyst/B Photoanode with Minimized Bias				
16:55-17:20					
10.5317.20	J4- Hiroki Nagase				
	Physical properties and photocataly fac tivity of (Ga _{-x} Zn _x)(N _{1-x} O _x) synthesize using a rotary kiln type furnace				
17:20-20:00	Dinner				
17.20-20.00	Dime				
May 30 (Thu	rsday)				
Session 4	Chairs: Prof. Fuxiang Zhang and Prof. Jun Kubota				
8:30-9:10	Keynote talk - Prof. Jae Sung Lee				
	PhotoelectrochemicaWater Splitting over Bilayer JunctidPhotoelectrodes				
9:10-9:35	C5- Fenggiang Xiong				
	Enhanced photocatalytic water oxidation on ZnO				
9:35-10:00	J5- Li Zhang				
	Photoelectrochemical properties of Agen-xGaSe photocathodes for Sol				
	Hydrogen Production				
10:0010:30	Coffee break & POSTER Session				
	-				
Session 5	Chairs: Dr. Xiang Wang and Yeilin Ham				
10:3010:55	K5-Suenghoon Han				
	Carbon Supported PdCo Catalyst for Ethanol Oxidation Reaction in Alk				
	Electrolyte				
10:55-11:20	C6- Jingfeng Han				
	Iron based PECell for overall water splitting				
11:2011:45	J6- Toru Takamura				
	Photocatalytic water splitting activity of $LaT_2 O$ synthesized from $L_2 \overline{a}O_5$				
	precursor				

Chairs: Guiji Liu, and Iae Young Kim			
Chairs: Guiji Liu and Jae Young Kim			
K6- Duck Hyun Youn			
Facile Synthesis of Moggraphene Composite Electrocatalysts for			
ydrogen Evolution Reaction			
7- Wei Yu			
fluence of nanæggregation on the performance of all polymer solar cells			
7- Jingyuan Liu			
evelopment of LaTi2Cu(S,SeD7 photocatalyst for Hevolution			
7- Dr. Ji Wook Jang			
elfassembled foarlinke graphene networks formed through nucleate boiling			
Coffee break & POSTER Session			
Chairs: Yushuai Jia and Qian Wang			
8- Xiaojia Zheng			
ontrolled Growth of HVI semiconductor Films within TiONanotubes for			
emiconductor Sensitized Solar Cells			
8- Takuya Arashi			
evelopment of noPrt electrocatalysts with electroconductive titanium oxides			
ith niobium for oxygen reduction reaction of polymer electrolyte fuel cells			
8- Younghye Lee			
Ikylation of naphthalene for production of DAN on modified Large por			
eolite			
closing remarks			
anquet			
ab tour			

Poster Presentation

(Lobby of the Biotechnology Building)

P1	Shanshan Chen	China	Nitrogen-doped tantalumbased layered oxides with wide visible light absorption for water reduction and oxidation	
P2	Yeilin Ham	Japan	Flux-Treated SrTiQ as a Highly Active Water Splittin Photocatalyst	
P3	Hunmin Park	Korea	Synthesis of hexagonal, cubic phase of molybde carbide and its activity for CO hydrogenation	
P4	Xiang Wang	China	Effects of $Z_n^{h^+}$ and Pb^{h^+} modifications on the photocatalytic activity of $G_2 \Omega_3$ for water splitting	
P5	P5 Shuai Shen		TimeResolved IR Spectroscopy Studies of the Ch Separation with Size controlled Nanometer Aug Photocatalyst	
P6	Hiromu K umagai	Japan	Cu-Ga-Se photocathodes prepared from powde materials for sunlight driven water splitting	
P7	Nan Wang	China	Facile preparation of platelike assemblies of tungste oxide for photoelectrochemical water splitting magnetron sputtering and chemical etching	
P8	Jin Hyun Kim	Korea	Assessment of PEC performance for modified m oxide photocatalyst	
P9	Youn Jeong Jang	Korea	Copper Oxide photocathode material for hydrog evolution	
P10	Yo Han Choi	Korea	The effect of Molybdenum carbide for Light Ole (C2-C3) in the CQHydrogenation	
P11	Ruifeng Chong	China	PhotocatalyticConversion of Glycertowater Mixture into Ethylene glycol and the TiQ2-based Photocatalysts	
P12	Yoon Bin Park	Korea	Preparation of Ag(PO ₄) $_x$ (VO ₄) $_{1-x}$ photocatalyst and its Photocatalytic Performance	
P13	Vit K alousek	Japan	The photoelectrochemical system using Pt/C elect assemblies and Nb:STO for conversion of Toluen Methylcyclohexane	
P14	Ji Zhao	China	Facile synthesis of freestanding Si nanowire arrays onestep templateree electredeoxidation of SiQ in molten salt	