

Poster Program  
(20<sup>th</sup> Floor, Chaloe Rajakumari 60 Building, CU)  
December 11, 2018

No.	Topic	Presenter
P1-01	Applications of soft X-ray spectroscopy in the surface analysis of nitrogen implanted TiO <sub>2</sub> photocatalysts	Tomoko Yoshida
P1-02	Insights into the Role of Acid Sites in Reductive Amination of Biomass-derived Carbonyl Compounds	Yusuke Kita
P1-03	A new carbon-based photocathode for hydrogen production from water employing SWCNT	Vit Kalousek
P1-04	DMF-protected Fe-Pt bimetallic nanoparticles catalyst for olefin hydrosilylation	Tatsuya Tanaka
P1-05	Excitation photon energy dependence of photocatalytic activity of silver loaded Ga <sub>2</sub> O <sub>3</sub> photocatalyst	Kokoro Yoshioka
P1-06	Enhancing the photocatalytic CO <sub>2</sub> reduction activity of Ga <sub>2</sub> O <sub>3</sub> by loading Ga <sub>2</sub> O <sub>3</sub> on Al <sub>2</sub> O <sub>3</sub>	Ryota Ito
P1-07	Enhanced Photocatalytic Reduction of NO <sub>3</sub> <sup>-</sup> to Ammonium ions with CuAg/TiO <sub>2</sub> Semiconductor Photocatalyst	Ryota Kato
P1-08	Efficient photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> /AgBr ternary photocatalysts	Shunya Tsujimoto
P1-09	Photocatalytic hydrogen generation over CdZnS under visible light.	Jumpei Sakamoto
P1-10	One step synthesis of oxygen doping and nitrogen deficient g-C <sub>3</sub> N <sub>4</sub> and its photocatalytic activity	Fumiya Higashi
P1-11	Hydrolysis of organic molecules over Brønsted acid gel catalyst with hydrophobic surface	Shutaro Kameyama
P1-12	Electrochemical Reduction of CO <sub>2</sub> in NaCl/Methanol Using Metal Nanoparticle Modified Carbon Electrode.	Naoki Uemoto
P1-13	Efficient and Versatile N-Methylation of Amines with Methanol Catalyzed by Iridium Complexes Bearing an N-Heterocyclic Carbene Ligand	Genki Toyooka
P1-14	Synthesis of Primary Amines by N-Alkylation of Aqueous Ammonia with Alcohols Catalyzed by Water-Soluble Iridium Complexes	Mineyuki Shimizu
P1-15	Effect of the crystalline and surface structure of Ga <sub>2</sub> O <sub>3</sub> on the photocatalytic activity for CO <sub>2</sub> reduction with water	Yu Kawaguchi
P1-16	Photocatalytic reduction of CO <sub>2</sub> over the Ga <sub>2</sub> O <sub>3</sub> with different structures	Masato Akatsuka
P1-17	Metal ion doping into Ga <sub>2</sub> O <sub>3</sub> photocatalyst for visible light response	Yuma Kato
P1-18	Photocatalytic hydrogen production from aqueous S <sup>2-</sup> + SO <sub>3</sub> <sup>2-</sup> solution and simultaneous degradation of humic acid	Shunya Nakano
P1-19	Synthesis and application of black phosphorus nanosheets for photocatalytic reaction	Akiyo Ozawa
P1-20	Theoretical investigation of catalytic hydrocarboxylation of olefins with CO <sub>2</sub>	Maneeporn Puripat
P1-21	Enhancement of kinetics toward ORR and OER of mesoporous a-RuO <sub>2</sub> /TiO <sub>2</sub> bifunctional catalysts for Li-air batteries	Ha-Kyun Jung
P1-22	Design and Synthesis of Cycloplatinated Polymer Dots as Photocatalysts For Visible Light-Driven Hydrogen Evolution	Chih-Li Chang
P1-23	Hydrogen production over Cd <sub>x</sub> Zn <sub>1-x</sub> S/ZnS(en) <sub>0.5</sub> heterojunction photocatalysts under visible light	Kyosuke Koguchi
P1-24	Nano-patterned Ni <sub>(1-x)</sub> Pt <sub>x</sub> Si anode for lithium ion batteries	Jinbum Kim
P1-25	Selective hydrogenation of biogenic carboxylic acids catalyzed by Pt-Mo catalysts	Tomoo Mizugaki
P1-26	Direct hydrogenation of adipic acid to 1,6-hexandiol using silica supported copper catalysts derived from chrysocolla	Cheng-Chieh Tu

No.	Topic	Presenter
P1-27	Identification of catalytic site types for ethylene/1-olefin copolymerization in multi-reactor system using simultaneous deconvolution of bivariate molecular weight and chemical composition distribution	Tamaned Chayrattanaroj
P1-28	Durable and regenerable nickel-based catalysts for methane steam reforming by exsolution	Haejin Hwang
P1-29	Boosting Effect of the Residual Templates within the Mesoporous Silica Channel in the Metal-Catalyzed Organic Transformation	Kohsuke Mori
P1-30	Alkyl Radical Transfer to Imines by Using Benzothiazoline under Thermal and Photocatalytic Conditions	Toshiki Mouri
P1-31	Enhancement of thermal conductivity of polymethyl methacrylate-coated graphene/epoxy composites by using admicellar polymerization with different ionic surfactants	Hyunwoo Oh
P1-32	Stereoselective Allylic Reduction Using a Novel Sulfinate	Hyun-Suk Um
P1-33	Tandem alkylation/sulfinyl retro-ene reactions using thiadiazolyl sulfone as an efficient sulfinic acid precursor	Seonwoo Kim
P1-34	Highly Versatile and Controllable Ruthenium Olefin Metathesis Catalysts Based on Chelating N-Vinylsulfonamide Ligands	Kunsoon Kim
P1-35	Development of Hydrogenation of Quinones and their Derivatizations Catalyzed by Polymer Immobilized Metal Nanoparticles under Sequential- and Continuous-flow Conditions	Fumiya Tobita
P1-36	Direct Coupling of Nonprotected Alkynylboronate with Conjugated Dienes	Ayumi Kuramochi
P1-37	Enhanced visible-light photocatalytic hydrogen evolution using fluorene-related semiconducting copolymers	Li-Yu Ting
P1-38	Synthesis of variously shaped MoS <sub>2</sub> catalyst for enhanced water splitting	Taejin Park
P1-39	A study on the carbon removal from the scrap generated by producing the UCx target using the compound of uranium carbide(UCx-C)	Youngho Shim
P1-40	Deoxygenation of amine-N-oxides to amines over titanium(IV) oxide photocatalyst	Makoto Fukui
P1-41	Nitrogen-doped reduced graphene oxide as a catalyst in C-H functionalization	Ahmad Muhammad Sohail
P1-42	One-pot tandem photoredox and cross-coupling catalysis with a single palladium carbodicarbene complex	Ka Chun Au-Yeung
P1-43	Selective Oxidation of Alkanes with Molecular Oxygen by a High Valent Iron-based Perovskite Catalyst	Satomi Shibata
P1-44	Hydrosilylation of Allenes over Palladium-Gold Alloy Catalyst	Suguru Sasaki
P1-45	Dehydrochlorination of 1,2-dichloro-1,1-difluoroethane on basic catalysts	Kanji Sasaki
P1-46	Dehydrogenation of 2-butanol to 2-butanone on zinc oxide-based catalyst	Kosuke Tatsuki
P1-47	In Situ Generation of Highly Active Vanadium(V)-Alkylidene Catalysts for Ring-Opening Metathesis Polymerization of Cyclic Olefins by Phenoxy Ligand Exchange	Hitomi Hayashibara
P1-48	Copper-Catalyzed Carboboration of Carbon-Carbon Multiple Bonds: Borylallyl and Alkynylation	Jung Tae Han
P1-49	Enantioselective Friedel-Crafts Alkylation Reaction of Indoles with Non-activated $\beta$ -Alkyl- $\beta$ -Nitrostyrenes Catalyzed by Chiral Calcium BINOL Phosphates	Mio Kaneko
P1-50	Silylation of aryl chlorides by supported Pd-Au alloy catalysts.	Yousuke Masaki
P1-51	Palladium Catalyzed 1,4-Addition of Arylboronic Acids to Enones using Acene-Based Phosphine Ligand	Minori Shimizu
P1-52	Cross-cycloaddition of diynes with allenens by supported PdAu alloy catalysts	Yuka Hachiya
P1-53	Ru-catalyzed [3+2] cycloaddition of aromatic amides with imines	Yuriko Kimura
P1-54	Characterization of PDLC Smart Windows Film with Curing Conditions	Hwang Doyun

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December 12, 2018

No.	Topic	Presenter
OP-01	Photocatalytic CO <sub>2</sub> Reduction on Pt-loaded Mg-doped GaN Semiconductor Powder	Furuno Hideo
OP-02	Esterification of Fusel Oil by Heterogeneous Sulfonated KIT-6 Mesoporous Catalyst	Thi Tuong Tran
OP-03	Evaluation of photocatalytic activity of flower-like g-C <sub>3</sub> N <sub>4</sub> with morphological control and structural defects under visible light	Ikki Tateishi
OP-04	Application of iron oxide encapsulated zeolite to steam cracking of heavy oil	Mai Nishii
OP-05	Efficient conversion of renewable unsaturated fatty acid methyl esters by cross metathesis with eugenol	Duy Le
OP-06	Synthesis of Olefin and Aromatic hydrocarbon from Syngas with Novel Catalysts	Yuichiro Bamba
OP-07	Ligand-controlled regiodivergent hydrosilylation of conjugated dienes catalyzed by mono(phosphine)palladium(0) complexes	Nobuyuki Komine
OP-08	Production of Cyclic Mono-Oxygenates from Guaiacol Derivatives over Platinum Catalysts without External Hydrogen	Akari Miyagawa
P2-01	Novel Synthetic Strategy to Hydroisoquinolone and Hydrobenzazepine Scaffold using Rh-Catalyzed 1,4-Addition of Arylboronic Acids.	Akira Fujimoto
P2-02	1-(2-Bromobenzyl)-3-(2,6-diisopropylphenyl)imidazole-2-ylidene Coordinated Palladium Complex Catalyzed 1,2-Addition of Arylboronic Acids to Aldehydes	Mariko Sugaya
P2-03	Palladium Catalyzed Addition of Arylboronic Acids to Fluorinated Hemiacetals	Takumi Yagihashi
P2-04	Integrated Catalytic Upgrading of Pyrolysis vapor for Bio-Fuel Production over Ni-Cu/carbon microsphere Catalyst	Chanatip Samart
P2-05	Photocatalytic reduction of CO <sub>2</sub> over the Ga <sub>2</sub> O <sub>3</sub> with different structures	Masato Akatsuka
P2-06	Synthesis of 2,5-Furandicarboxylic acid by Manganese Dioxide Catalysts with Various Crystal Structures	Eri Hayashi
P2-07	Roles of Additive compound in Enantioselective Hydrogenation of $\alpha$ -Phenylcinnamic Acid over a Cinchonidine-modified Pd/C Catalyst	Bo Keun KIM
P2-08	Photocatalytic overall water splitting on heterogeneous Y-doped CeO <sub>2</sub> with d <sup>0</sup> f <sup>1</sup> electronic configuration	HOU HONGHAO
P2-09	Low Pressure Enantioselective Hydrogenation of Ketones catalyzed by Tartaric Acid-NaBr-Modified Raney Nickel	Azka Azkiya Choliq
P2-10	Visible light Photocatalytic Activity of Ultrathin metal-organic framework nanosheets (UMOFNs) / Tetrahedral Ag <sub>3</sub> PO <sub>4</sub> Hybrid Photocatalyst	Tomoharu Kusutaki
P2-11	Electrochemical CO <sub>2</sub> Reduction at Ni electrode in Methanol/nanoparticle Suspension	Ryoki Matsumoto
P2-12	Development of ethylene copolymerization system by supported half-titanocene complex catalysts	Palawat Unruean
P2-13	Hydrosilylation of alkenes, alkynes and carbonyl compounds employing earth abundant transition metal complexes	Veeranna Yempally
P2-14	Stereoselective method to the synthesis of chiral pyrazole derivative	Dong Ju Jeon
P2-15	Synthesis of Aryloxo-Modified Half-Titanocenes as Highly Active Ethylene Copolymerization Catalysts	Suphitchaya Kitphaitun
P2-16	Ethylene Copolymerization with Vinyl Naphthalene, Vinyl Biphenyl Using Aryloxo-Modified Half-Titanocene Catalysts	Hiroataka Aoki

No.	Topic	Presenter
P2-17	Highly selective N-formylation of amines using CO <sub>2</sub> as a carbonyl source over titania supported gold nanoparticle catalyst	Shu Fujita
P2-18	Identification of Reaction Sites on Metal-Organic Framework-based Asymmetric Catalysts	Jeehwan Han
P2-19	Effect of Ni/mesocellular silica catalysts on hydrogen and carbon productions via methane decomposition	Orrakanya Phichairatanaphong
P2-20	Kinetic Monte-Carlo Simulation of Methane Reforming by Carbon Dioxide Using Nickel Catalyst	Nuttawut Puingna
P2-21	Copolymerization of cyclohexene oxide and succinic anhydride using Schiff base zinc and magnesium complexes containing alkoxy side arms	Arnut Virachotikul
P2-22	Coordination of Lactide and Lactones to Tris(pentafluorophenyl)borane: A Comparative Studies	Kwanchanok Udomsasporn
P2-23	Hydroconversion of carboxylic acids using mesoporous SBA-15 supported NiMo sulfide catalysts under microwaves	Titiya Meechai
P2-24	Activation of Carbon-Chlorine Bond at Ambient Temperature in the Presence of Palladium-Supported Ferrocenated Lanthanum Oxide	Peerapong Chmkaeo
P2-25	Roles of THF Concentration on Methane Hydrate Formation at Lower Diving Force	Katipot Inkong
P2-26	Low-cost catalyst for glycolysis of poly (ethylene) terephthalate (PET)	Siraphat Putisompon
P2-27	In-situ measurements of UV-Vis spectra of silver loaded gallium oxide photocatalyst	Daiki Kitajima
P2-28	Fabrication of silver containing-gallium oxide nanosheet photocatalyst using graphene oxide as a template	Kenta Sonoda
P2-29	Activated Carbon from Palm Shell Oil and Polymers by Pyrolysis and Hydrothermal Carbonization and Their Applications in Methane Adsorption	Sunalin Sattasatthuchana
P2-30	Approach to reveal the catalytic mechanism of silver co-catalyst over gallium oxide in photocatalytic carbon dioxide reduction in water	Muneaki Yamamoto
P2-32	Asymmetric Synthesis of C $\alpha$ -Substituted Prolines by Controlling the Stereodynamics of Proline: Application to the Total Synthesis of (-)-Amathaspiramide F	Soojun Park
P2-33	Determination of molecular dynamic balancing of protonation mechanism in fluxional protonated ferrocene system through deuterated ferrocene synthesis	Thinnaphat Poonsawat
P2-34	C-H Oxidation of Terminal Alkenes Catalyzed by Ferrocenated Compound	Isti Yunita
P2-35	Asymmetric Synthesis of $\alpha,\beta$ -Unsaturated- $\delta$ -lactones via Gold(I)-Catalyzed Intermolecular [4+2] Annulation of Propiolates and Alkenes	Hanbyul Kim
P2-36	Tandem $\beta$ -Oxidation/Acetalization of Ynamides and Its Applications in the Enantioselective Transacetalization	Nguyen Hoang Nguyen
P2-37	Gold Nanoparticles with Polyaniline for Selective Coupling and Oxidation Reactions of Aryl Boronic and Its Substitutes	Lunnapa Tungjitgusongun
P2-38	Preparation of 3D structured graphene and graphene quantum dots composites for trifunctional electrocatalyst	Won Mook Choi
P2-39	Calcium Oxide Derived from Waste Shell as the Heterogeneous Catalyst for Glycerol Carbonate Production	Patchaya Benjasirichot
P2-40	Potential of microalgae for wastewater treatment and biodiesel production	Ashokkumar Veeramuthu
P2-41	Hydrosilylation of Alkenes by Titanium Dioxide-supported Cobalt Oxide Catalyst	Min Sheng
P2-42	Mitigation of Undesirable Polymer Gel Plugging During Conformance-Control Treatment	Tuch Subanchong
P2-43	CO <sub>2</sub> and Methane Adsorption on Synthesized Zeolite from Diatomite	Sanfun Limprapaipong
P2-44	Metal free N-CQDs@S-gC <sub>3</sub> N <sub>4</sub> Composites for Enhanced Photocatalytic Activity and Hydrogen Production	Yeji Kim
P2-45	Characterization and Enhanced Photocatalytic Activity of Carbon Quantum Dots/ZnO Nanoparticle Synthesized by a Hydrothermal Process	Dayoung Kwon
P2-46	Effects of calcination and pretreatment temperatures on the catalytic activity and stability of H <sub>2</sub> -treated WO <sub>3</sub> /SiO <sub>2</sub> catalysts in metathesis of ethylene and 2-butene	Krittidech Gayapan
P2-47	In situ-DRIFTS study: influence of non-reducible and reducible oxides on Lewis acid transformation in the presence of hydrogen	Adisak Guntida
P2-48	Enhanced stability and propene yield in propane dehydrogenation on PtIn/Mg(Al)O catalysts with various In loadings	Weerachon Tolek
P2-49	In situ-DRIFTS study: important surface acid characteristics of rhenium-based metathesis catalysts for propylene production from various olefins	Siriporn Vorakitkanvasin