

Youth poster session (May 15, 17:15-18:45)

- YP01 Synergy effect of mixed naphtha/methanol feed on catalytic cracking reaction (Korea Res. Inst. of Chem. Technol.) Na Young Kang, Yu Jin Lee, Yun Jo Lee, Won Choon Choi, Yong-Ki Park
- YP02 Effect of acidity of Ferrierite synthesized with different amount of seeding material for DME carbonylation to methyl acetate (Sungkyunkwan Univ.) Ji-Hyeon Kim, Jong-Wook Bae
- YP03 Effects of Mesoporosity and Crystallinity on Deactivation of ZSM-5 in Propanal Conversion (KAIST) Kyungho Lee, Songhyun Lee, Minkee Choi
- YP04 Effect of second metal additive on Co/ZSM-5 catalyst for methylation of benzene with methane (Tottori Univ.) Hitoshi Matsubara, Yasumi Moriwaki, Koshiro Nakamura, Etsushi Tsuji, Satoshi Suganuma, Naonobu Katada
- YP05 Synthesis of Jet-fuel through Oligomerization of Butene Mixture over Ni-doped Aluminosilicate Catalysts (Kongju National Univ.) Donggun Lee, Sohyang Oh, Jong-Ki Jeon
- YP06 The Effect of Oxidants on Methanol Production for Direct Oxidation of Methane over Cu-MOR (Seoul National Univ.) Younhwa Kim, Tae Yong Kim, Hongseok Park, Chyan Kyung Song, Hyunjoo Lee, Jongheop Yi
- YP07 Synthesis of Heterogeneous Chiral Co(III)-Salens into Mesoporous Silicas linked Sulfonic Acid Groups (Inha Univ.) Jihye Yu, Yehwon Lee, Kyujoon Park, Geonjoong Kim
- YP08 Acetalization of glycerol with acetone over highly ordered mesoporous WO₃/rod-type SBA-15 catalyst (Sungkyunkwan Univ.) Jin Seo Park, Zhenghua Li, Chengbin Li, Gyoung Hee Hong, Ji Man Kim
- YP09 Preparation of long life indium oxide for conversion of ethanol to propene (Chuo Univ.) Kaori Shimano, Maki Murakami, Masashi Tanaka, Masakazu Iwamoto
- YP10 Unused number
- YP11 Direct conversion of methane into methanol with O₂ over Cu-MOR (Ajou Univ.) SaeHa Lee, Eun Duck Park
- YP12 Regeneration of hydrothermally aged Cu-SSZ-13 catalyst treated with citric acid solution (Seoul National Univ.) Hwangho Lee, Seunghee Youn, Inhak Song, Do Heui Kim

- YP13 Hydrogenolysis of glycerol to C3 diols over Pt/WO₃/Al₂O₃ and Pd/L-Nb₂O₅ (Tokyo Metropol. Univ.) Takeshi Aihara, Hayato Kobayashi, Feng Shixaing, Hiroki Miura
- YP14 Rational Design of Hydrocracking Catalysts for BTX Production from Polyaromatic Hydrocarbons (Dong-A Univ.) Jaek Shin, Yeseul Choi, Youngseok Oh, Hyewon Ryu, Jung Kyoo Lee
- YP15 Catalytic pyrolysis of polypropylene with Ni/SiO₂ over Mn/SiO₂ (Chonbuk National Univ.) Soo Hyun Kim, Roose Lee, Jong Ha Hwang, Eun Nam Son, See Hoon Lee
- YP16 Study on the effect of natural minerals on the product gas composition from gasification of lignite under co-feeding of steam and CO₂ (Chonbuk National Univ.), Roose Lee, Jong Ha Hwang, Soo Hyun Kim, Eun Nam Son
- YP17 Ethylene oligomerization to α -olefins or long-chain olefins over Ni-supported AISBA-15 catalyst (Hanyang Univ.) Mi Shin, Young-Woong Suh
- YP18 Hydrogenation of benzylpyridine over Ru/ γ -Al₂O₃ catalysts: Use of Ru₃(CO)₁₂ as a Ru precursor (Hanyang Univ.) Tae Wan Kim, Young-Woong Suh
- YP19 Pd supported gamma-Al₂O₃ catalyst: Effect of preparation conditions on the Pd particle size and distribution (KIST, Pusan National Univ.) Mi Yeon Byun, Ji Sun Kim, Dae-Won Park, Man Sig Lee
- YP20 Cancelled
- YP21 Pd nano-octahedron with Pt doped from Galvanic replacement for direct synthesis of H₂O₂ (Korea Univ.) Suyeon Quon, Geun-Ho Han, Myung-Gi Seo, Kwan-Young Lee
- YP22 Metal-free and Transition Metal Chelated Porphyrin Framework for Methanol Oxidation (Myongji Univ.) Alan Christian Lim, Harsharaj Jadhav, Gaurav Thorat, Jeong Gil Seo
- YP23 Low temperature dry reforming of methane in an electric field over La-doped Ni/ZrO₂ catalysts (Waseda Univ.) Tomohiro Yabe, Kenta Mitarai, Shuhei Ogo, Yasushi Sekine
- YP24 Reaction characteristics of K-doped Co₃O₄ catalyst with addition of support for N₂O decomposition (Chungnam National Univ.) Rahyun Hwang, Jihye Park, Jeonghun Baek, Kwangbok Yi
- YP25 Rodox characteristic of Fe_{2-x}Ni_xMnO₄ spinel structure for Chem. looping combustion (Yeungnam Univ.) Byeong Sub Kwak, No-Kuk Park, Jeom-In Baek, Ho-Jung Ryu, Misook Kang

- YP26 Concerted Catalysis by Pd Complex on Mesoporous Silica for Allylation Reactions with Allylic Alcohol (Tokyo Inst. of Technol.) Ken Motokura, Marika Ikeda, Masayuki Nambo, Wang-Jae Chun, Kiyotaka Nakajima, Shinji Tanaka
- YP27 Concerted Catalysis by Immobilized Rh Complex and Tertiary Amine on SiO₂ Surface for Hydrosilylation of Olefins (Tokyo Inst. of Technol.) Ken Motokura, Kyogo Maeda, Wang-Jae Chun
- YP28 Installation of Organic Functional Groups into Titanium-Oxo Molecular Clusters for Efficient Catalyst (Chungbuk National Univ.) Suyeon Kim, Youngik Kim, Narae Han, Youngjo Kim, Min Kim
- YP29 Silver Carbonate Catalyst for Efficient Aryl Ester Synthesis (Chungbuk National Univ.) Kwangho Yoo, Hyojin Park, Suyeon Kim, Min Kim
- YP30 Evaluation of TiO₂-SiO₂ Microhoneycomb Photocatalysts Using Model Simulation (Hokkaido Univ.) Kasama Urkasame, Seiichiro Yoshida, Shinichiro Iwamura, Isao Ogino, Shin R. Mukai
- YP31 Effect of Ce addition on catalytic activity of Cu-Mn catalysts for Water Gas Shift (WGS) reaction (Chungnam National Univ.) Jihye Park, Rahyun Hwang, Jeonghun Baek, Kwangbok Yi
- YP32 Kinetics of Ni-based oxygen carrier with MgO contents for Chem. looping combustion (CLC) (Chungnam National Univ.) Jihye Park, Rahyun Hwang, Jeonghun Baek, Kwangbok Yi
- YP33 Reverse Micelle Synthesis of Brownmillerite-type Oxide Ultrafine Particles on Titania (Tottori Univ.) Kei Hirao, Ryosuke Nanbu, Etsushi Tsuji, Satoshi Suganuma, Naonobu Katada
- YP34 Effect of mesoporous MCo₂O₄ (M =Cu, Zn and Ni) spinel catalysts on catalytic combustion of methane (Seoul National Univ.) Tae Hwan Lim, Su Bin Park, Ji Man Kim
- YP35 Decomposition of an Energetic Ionic Liquid over Mesoporous CuO Catalyst (Kongju National Univ.) Sujeong Heo, Bo Kyeong Jeon, Chengbin Li, Ji Man Kim, Young Min Jo and Jong-Ki Jeon
- YP36 Regeneration of mesoporous aluminosilicate catalysts for DCPD oligomerization (Kongju National Univ.) Yongin You, Won Jun Choi, Soo Hyun Chae, Jeongsik Han, Byung-Hun Jeong, and Jong-Ki Jeon
- YP37 Immobilized α -Iminocarboxamide Nickel (II) Complex as Catalyst for Ethylene Homo-/Co-Polymerization (Saitama Univ.) Isshin Murayama, Miru Hirahara, Hideki Kurokawa

- YP38 Application of Mesoporous Silica Foam for Chiral Intermediates Fabrication (Inha Univ.) Kyujoon Park, Yehwon Lee, Jihye Yu, Geonjoong Kim
- YP39 Improvement of Amine-Based CO₂ Sorbent and Evaluation of its Behavior in Ad/desorption TSA process (Kongju National Univ.) Seong Won Pyo, Jae Wan Jeon, Pacia Rose Mardie, Youn Cheol Kim, Young Soo Ko
- YP40 Effect of Amine Structure in CO₂ Adsorbent on Ad/desorption Behaviors (Kongju National Univ.) Ha Yeong Jeong, Seong Won Pyo
- YP41 Synthesis of (Imido)niobium(V) Complexes and Some Reactions (Tokyo Metropol. Univ.) Natta Srisupap, Kritdikul Wised, Kotohiro Nomura
- YP42 Precise Synthesis of Star-shaped Polymers by Living Ring-Opening Metathesis Polymerization (Tokyo Metropol. Univ.) Zelin Sun and Kotohiro Nomuran
- YP43 Ordered Mesoporous CeO₂-based Binary Metal Oxide Catalysts for CO Preferential Oxidation (Sungkyunkwan Univ., Yanbian Univ.) Chengbin Li, Jin Seo Park, Mingshi Jin, Ji Man Kim
- YP44 CO preferential oxidation over ordered mesoporous Co₃O₄-based composite catalysts (Sungkyunkwan Univ., Yanbian Univ.) Su Bin Park, Chengbin Li, Jungho Lee, Yun Seok Choi, Gwi Ok Park, Mingshi Jin, Ji Man Kim
- YP45 Steam Reforming of Dimethyl Ether over Solid Acid Catalyst Coupled with Cu-based Catalyst (Tokyo Metropol. Univ.) Erika Kawai, Yuma Kubo, Hiroki Miura, Tetsuya Shishido
- YP46 Synthesis and Characterization of Highly Ordered Mesoporous Transition Metal Oxide with Spinel Framework Structures (Sungkyunkwan Univ.) Kyoung Ho Kim, Su Bin Park, Gwi Ok Park, Ji Man Kim
- YP47 Preparation of Double-Gyroid Transition Metal Dichalcogenides with Mesopores and Their Potential Application (Sungkyunkwan Univ.) Yun Seok Choi, Yoon Yun Lee, Hwa Yong Oh, Ji Man Kim
- YP48 Dehydrogenative Conversion of Methane to Higher Hydrocarbons by the Liquid-Metal Indium Catalyst (Tokyo Inst. of Technol.) Y. Nishikawa, H. Ogihara, I. Yamanaka
- YP49 Particle Size Dependence for Redox Property of Supported Ni Catalyst Prepared by Impregnation Method (Ritsumeikan Univ.) Yusaku Yamamoto, Naoto Kubochi, Masaki Katagiri, Shohei Yamashita, Misaki Katayama, Yasuhiro Inada

- YP50 Pore and Framework Structure Engineering of Mesoporous Carbon Materials (Sungkyunkwan Univ.) Hwa Yong Oh, Jong Gu Won, Yun Seok Choi, Min ji Kim, Ji Man Kim
- YP51 Synthesis and Characterization of Copper Oxide-based Mesoporous Binary Metal Oxides (Sungkyunkwan Univ.) Bo Kyeong Jeon, Su Bin Park, Kyoung Ho Kim, Gwi Ok Park, Ji Man Kim
- YP52 Synthesis and Evaluation of Diamino Organosilane-Functionalized Silica Adsorbent for CO₂ Capture (Kongju National Univ.) Rose Mardie Pacia, Seong Won Pyo
- YP53 Effective hydrogen production by low temperature ethanol steam reforming using 30Zn_xNi_y/70MgAl₂O₄ catalyst (Yeungnam Univ.) Jae Hyung Lee, No-Kuk Park, Tae Jin Lee, Misook Kang
- YP54 Catalytic activity of metal electrodes for ammonia synthesis from N₂ and H₂ in atmospheric-pressure non-thermal plasma (Chuo Univ.) Mao Akiyama, Keigo Aihara, Masashi Tanaka, Takashi Deguchi, Masakazu Iwamoto
- YP55 Enhanced Redox Property in Ni-Nb-O/Ce_xZr_{1-x}O₂ for Selective Production of Ethylene from Ethane (Seoul National Univ.) Minzae Lee, Yang Sik Yun, Jongbaek Sung, Joongwon Lee, Young-Jong Seo, In Kyu Song, Jongheop Yi
- YP56 Activity comparison among Ru/ α -Al₂O₃, Ru/ γ -Al₂O₃, and Ru/Al@Al₂O₃ for selective CO oxidation in H₂ (Ajou Univ.) Tae Wook Kim, Jieun Kim, Doohwan Lee, Eun Duck Park
- YP57 Tuning the acidity and dehydration activity of Si-Zr mixed oxides (Chungbuk National Univ.) Seunghee Pyen, Mi Shin, Young-Woong Suh
- YP58 Synthesis of high surface area of hydrous zirconia and its catalytic activity for the dehydration of iso-propanol (Chungbuk National Universty) Sung Woo Baek , Eunpyo Hong , Young Ho Lee
- YP59 Improved dehydrogenation activity and catalyst stability of Pd/carbon-coated Al₂O₃ (Hanyang Univ.) Jinho Oh, Young-Woong Suh
- YP60 Iron nitride loaded carbon nanotube-graphene composite (Fe₂N/nCNT-GR) for Oxygen reduction reaction (POSTECH) GyuSik Chae, Jae Sung Lee
- YP61 Anodic Aluminum Oxide Supported Cu-Zn Catalyst for Steam Reforming of Methanol (Kyungpook National Univ.) Jung Hyeon Kim, Young Shin Jang, Dong Hyun Kim

- YP62 Mechanism of glycerol hydrogenolysis to 1,2-propanediol over Cu(111) and CuCr₂O₄(100) (Seoul National Univ.) Yang Sik Yun, Danim Yun, Tae Yong Kim, Kyung Rok Lee, Jeong Woo Han, Jongheop Yi.
- YP63 Liquid-phase partial oxidation of methane with hydrogen peroxide over Cu-Fe/ZSM-5 (Ajou Univ.) Min Sik Kim
- YP64 Aerobic oxidation of benzyl alcohol using Ru nanoparticles supported on zeolites (Chonnam National Univ.) Dasom Jung, Kyungsu Na
- YP65 Meso-nickel manganese oxide for the hydrogen peroxide decomposition (Korea Univ.) Min June Kim, Myung-gi Seo, Kwan-Young Lee
- YP66 Application of the highly siloxane-tolerant mesoporous silica absorbents to improve the lifetime of gas sensors (Osaka Prefecture Univ.) Junpei Furuno, Hiroki Kita, Kuniyuki Izawa, Ken-ichi Yoshioka, Tatsuya Tanihira, Masaya Matsuoka, Masato Takeuchi
- YP67 NIR spectroscopy for the NH₃ and NH₄⁺ species adsorbed on various zeolites (Osaka Prefecture Univ.) Yingtong Bao, Tatsuya Tsukamoto, Masaya Matsuoka, Masato Takeuchi
- YP68 Control of Si/Al in chabazite zeolite using Na/Si ratio during hydrothermal synthesis (Chonnam National Univ.) Jin Hee Park, Hoi-Gu Jang, Yongseon Kim, Dong Gun Oh, Ja Hun Kwak, Sung June Cho
- YP69 Synthesis and characterization of Ti-MWW with different Ti atom distributions (Tokyo Inst. of Technol.) Xinyi Ji, Junko N. Kondo, Toshiyuki Yokoi
- YP70 Catalytic Copyrolysis of Biomass and High-Density Polyethylene over Mesoporous Solid Acids (Univ. of Seoul) Pouya Sirous Rezaei, Su Bin Park, Se Young Park, Young-Kwon Park
- YP71 Bio-oil Stabilization with Methanol over Amberlyst Catalysts (Univ. of Seoul) Ki Hoon Kim, Yejin Lee, Daejun Oh, H. Shafaghat, Haewon Ryu, Donghoon Ro, P. S. Rezaei, Se Young Park, Young-Kwon Park
- YP72 Synthesis of Aviation-Fuel from Bio-oil over Pt/Mesoporous Aluminosilicate Catalysts (Kongju National Univ.) Jongjin Kim, Seong Hun Jeon, Choul-Ho Lee, Dong Sun Kim, Jungho Cho, Chul-Ung Kim, Jong-Ki Jeon

- YP73 Improved high temperature activity of NH₃-SCR over Cu/SUZ-4 (Waseda Univ.) Astri Andarini Budiawati, Masahiko Matsukata
- YP74 Metal Nanoparticles Embedded Metal-Organic Frameworks as Core@Shell Structure (Chonnam National Univ.) Suyeon Yu, Kyungsu Na
- YP75 MgO-based CO₂ sorbent promoted by carbonate and nitrate salts for better sorption performances (Chonnam National Univ.) Hyeonho Joo, Sung Jun Cho, Kyungsu Na
- YP76 New Zinc-based Catalysts for the Coupling of Carbon Dioxide and Epoxides (Chungbuk National Univ.) Beom Jin Oh, Min Kim, Youngjo Kim
- YP77 Effect of CeO₂ coating on MTO reaction over ferrierite zeolite: Increased catalyst life (Chonnam National Univ.) Sung Jun Park, Shuai Chang, Hoi-Gu Jang, Sung June Cho
- YP78 Immobilization of Mo in BEA zeolite and its application to cyclohexene epoxidation (Waseda Univ.) Yosuke Kazama, Futa Kamata, Masahiko Matsukata
- YP79 A Bifunctional Cerium Phosphate Catalyst for Chemoselective Acetalization of 5-Hydroxymethylfurfural (Tokyo Inst. of Technol.) Shunsuke Kanai, Ippei Nagahara, Yusuke Kita, Keigo Kamata, Michikazu Hara
- YP80 Physical property evaluation of a niobium oxide thin film (Tokyo Inst. of Technol.) Yuki Hiyoshi, Ryota Osuga, Toshiyuki Yokoi, Junko N. Kondo
- YP81 Preparation of Ce-MFI zeolites and their catalytic properties (Tohoku Univ.) Fumiya Muto, Moe Sakaguchi, Masafumi Nakaya, Kiyoshi Kanie, Atsushi Muramatsu
- YP82 Direct carbamates synthesis from CO₂, amines and alcohols using CeO₂ and 2-cyanopyridine (Tohoku Univ.) Yu Gu, Ayaka Miura, Masazumi Tamura, Yoshinao Nakagawa, Keiichi Tomishige
- YP83 Aluminum-based Catalysts for the Coupling of Carbon Dioxide and Epoxides (Chungbuk National Univ.) Won Hee Woo, Kyunglim Hyun, Min Kim, Youngjo Kim
- YP84 Three-step conversion of chitin to N-containing alcohol (Hokkaido Univ.) Kota Techikawara, Hirokazu Kobayashi, Atsushi Fukuoka

- YP85 Selective Oxidation of Methacrolein over Strong Acid-Added Chromium Oxide Catalysts (Hokkaido Univ., Mitsubishi Rayon Co., Ltd) Atsuki Iwakura, Shuhei Yasuda, Jun Hirata, Mituru Kanno, Wataru Ninomiya, Ken Oyachi, Ryoichi Otomo, Yuichi Kamiya
- YP86 A Comprehensive Study to Enhance CO Oxidation Activity by Using Doped CeO₂ (Univ. of Seoul) Kyeounghak Kim, Kyung-Jong Noh, Hyungjun Kim, Jeong Woo Han
- YP87 Production of Gasoline Fuel from Alga-derived Botryococcene by Hydrogenolysis over Ru/CeO₂ (Tohoku Univ.) Yosuke Nakaji, Shin-ichi Oya, Masazumi Tamura, Yoshinao Nakagawa, Keiichi Tomishige
- YP88 Dimeric Aluminum Compounds with Furfuryl or Thiophenemethyl-modified Bidentate or Tridentate Ligands: Synthesis, Structures, and Use in Cycloaddition of CO₂ to Epoxides (Chungbuk National Univ.) Kyunglim Hyun, Duseong Ahn, Youngjo Kim
- YP89 Effect of mixing Pt-Sn catalyst with metal oxides on the propane dehydrogenation (Hankyong National Univ.) Hyun Jun Byun, Jae Won Jung, Jirawat Chaosakul
- YP90 Effect of Magnesium Addition to Ni-Mo₂C-ZSM-5-SiC catalyst on Directive CH₄ Decomposition (National Inst. of Technol. Asahikawa College) Mai Hasegawa, Hiroya Ishimaru, Akihiko Miyakoshi
- YP91 The Effect of Pore Size over Cobalt-based Al₂O₃@SiC Catalysts for Fischer-Tropsch Synthesis (KIST, Korea Univ., Univ. of Sci. Technol.) Young Su Noh, Gi Hoon Hoog, Ji In Park, Seol A Shin, Kwan-Young Lee, Dong Ju Moon
- YP92 Chemisorption on bimetallic NP-TiO₂ for CO oxidation catalyst: first principle and machine learning modeling (KAIST) Kihoon Bang, Hyuck Mo Lee
- YP93 Pt-Sn catalyst for propane dehydrogenation with HCl treatment (Hankyong National Univ.) Yi Sun Choi, Hyoung Lim Koh
- YP94 Synthesis of TS-1 with preferably distributing Ti in depth direction of crystals and its catalytic performance (Waseda Univ.) Tetsuo Yamamoto, Kosuke Takaishi, Masahiko Matsukata
- YP95 IR observation in methylcyclohexane dehydrogenation over Pt/TiO₂ and Pt/Al₂O₃ catalysts (Shizuoka Univ.) Kei Watanabe, Yuya Bandai, Ryo Watanabe, Yosiumi Kohno, Choji Fukuhara

- YP96 Possibility of Multi Atom Resonance X-ray Raman Spectroscopy - A new operando low Z-element XAFS method (Hokkaido Univ.) Natee Sirisit, Daiki Kido, Yuki Wakisaka, Hiroko Ariga, Satoru Takakusagi Oki Sekizawa, Tomoya Uruga, Yasuhiro Iwasawa, Kiyotaka Asakura
- YP97 Thorough search analysis on time resolved EXAFS of WO_3 structural change (Hokkaido Univ.) Daiki Kido, Yohei Uemura, Akihiro Koide, Toshihiko Yokoyama, Kiyotaka Asakura
- YP98 Preparation of Co_2C nanoparticles as Pt-substitution PEFC catalyst (Tohoku Univ.) Kanae Endo, Masafumi Nakaya, Kiyoshi Kanie, Atsushi Muramatsu
- YP99 Size Effect of AgCu Bimetallic Nanoparticle on Catalytic Activity in the PEMFC Cathode (KAIST) Kihyun Shin and Hyuck Mo Lee
- YP100 Effects of strain on oxygen reduction kinetics in AO- and BO_2 -terminated perovskite surfaces (Univ. of Seoul) Hyunguk Kwon, Jeong Woo Han
- YP101 Efficient Hydrogen Production by PhotoelectroChem. Water Splitting Using a $\text{ZnSe}:\text{Cu}(\text{In},\text{Ga})\text{Se}_2$ Photocathode (Univ. of Tokyo) Hiroyuki Kaneko, Tsutomu Minegishi, Yongbo Kuang, Taro Yamada, Kazunari Domen
- YP102 Photocatalytic performance of $\text{Li}_2\text{LaTa}_2\text{O}_6\text{N}$ layered oxynitride for H_2 evolution and CO_2 reduction (Tokyo Inst. of Technol.) Takayoshi Oshima, Kanemichi Muraoka, Osamu Ishitani, Kazuhiko Maeda
- YP103 Photocatalytic Activity of Oxygen Deficient $\text{SrTiO}_3\text{-}\delta$ Prepared by Reduced Atmosphere Calcination (Tokyo Inst. of Technol.) Shunta Nishioka, Junji Hyodo, Akira Yamakata, Yoshihiro Yamazaki and Kazuhiko Maeda
- YP104 Highly selective liquid product of CuFeO_2 treated by microwave in CO_2 hydrogenation (POSTECH, UNIST) Yo Han Choi, Jae Sung Lee
- YP105 Development of System for Hydrogen Production with Microwave Heating (National Inst. of Technol. Asahikawa College) Hiroya Ishimaru, Akihiko Miyakoshi
- YP106 Study on metal oxide photocatalysts for CO_2 reduction with H_2O Graduate (Osaka City Univ.) Yuma Kato, Muneaki Yamamoto, Akiyo Ozawa and Tomoko Yoshida

- YP107 PhotoelectroChem. water splitting with SrNbO₂N photoanode prepared by a novel roll-press method (Univ. of Tokyo) Masanori Kodera, Masao Katayama, Takashi Hisatomi, Tsutomu Minegishi, Tomoaki Watanabe and Kazunari Domen
- YP108 Visible-light Activation of TiO₂ Photoanode by Loading CoO_x (Tokyo Inst. of Technol.) Hideyuki Tanaka, Kazuhiko Maeda
- YP109 Dynamics of Photocarriers in Ga₂O₃-based Photocatalyst Studied by Transient Absorption Spectroscopy (Toyota Technological Inst.) Junie Jhon M. Vequizo, Shouta Ishiyama, Yoshihisa Sakata, Akira Yamakata
- YP110 Mechanism of Formation of Hierarchical-structured Bismuth-tungstate Hollow Particles through Hydrothermal Reaction (Hokkaido Univ.) Haruna Hori, Mai Takashima, Mai Takase, Bunsho Ohtani
- YP111 ZnO/ZnCrLDH heterostructure with Enhanced PhotoelectroChem. Water Oxidation Activity (POSTECH) Yoon Bin Park, Jae Sung Lee
- YP112 Hybrid Photocatalyst Constructed with an Yttrium-Tantalum Oxynitride and a Binuclear Ru(II) Complex for Visible Light CO₂ Reduction (Tokyo Inst. of Technol.) Kanemichi Muraoka, Hiromu Kumagai, Miharu Eguchi, Osamu Ishitani, and Kazuhiko Maeda
- YP113 Study on preparation methods for La_{0.5}Sr_{0.5}Ta_{0.5}Ti_{0.5}O₂N photocatalyst (Tohoku Univ.) Shun Nagai, Hideki Kato, Makoto Kobayashi, Masato Kakihana
- YP 114 A DFT Study of H₂S Dissociation Reaction on Ni(111) and Ni(211) (Univ. of Seoul) Bohyun Hwang, Hyunguk Kwon, Jeong Woo Han
- YP115 Theoretical Study of Rhodium-Catalyzed Hydrosilylation of Ketones: Chalk-Harrod vs. Modified Chalk-Harrod Mechanism (Hokkaido Univ.) Liming Zhao, Naoki Nakatani, Jun-ya Hasegawa
- YP116 Reaction Mechanism of DMC Formation from CO₂ and Methanol over CeO₂(111): A DFT Study (Hokkaido Univ.) Toshiyuki Sugiyama, Akira Nakayama, Jun-ya Hasegawa
- YP117 Polymer Helix Formation on Irradiation with Circularly Polarized Light (Hokkaido Univ.) Yue Wang, Tamaki Nakano
- YP118 Photo-induced Racemization and Polymerization of (R)-1,10-Bi(2-naphthol) (Hokkaido Univ.) Zhaoming Zhang, Yue Wang, Tamaki Nakano

YP119 Electronic state calculation of NO-CO reaction on rhodium surface (Tohoku Univ.) Taisei Ito, Yukihiro Shimizu

General poster session (May 16, 17:00-18:30)

- GP01 Enhancement of isobutene yield in the oxidative dehydrogenation of isobutane on SBA-15 doped with a trace amount of chromium (Tokushima Univ.) Shigeru Sugiyama, Hisanobu Misu, Shinya Nitta, Sho Shimazu, Yuzo Baba, Masahiro Katoh, Yuuki Katou, Wataru Ninomiya
- GP02 Ammoxidation of propane to acrylonitrile over Mo-V-Te-Nb-Oy catalyst supported on silica materials (Seoul National Univ., S-OIL Co.) Minsung Baek, Min Yeong Gim, Tae Hyeop Kim, Ji Hwan Song, Heung Jung Kang, Bum Jin Kwon, Ji Hye Lee, In Kyu Song
- GP03 Long-Term Activity Tests of Rh/Al-Ce-Zr Catalyst Coated on Metal Foam Plate for Auto-Thermal Reforming of Liquid Hydrocarbons (Yeungnam Univ.) No-Kuk Park, Yong Han Jeong, Tae Jin Lee
- GP04 Preparation of Mesoporous Base Catalysts from Uniform Layered Double Hydroxide Nanoparticles (Waseda Univ.) Yoshiyuki Kuroda, Yuya Oka, Keigo Kamata, Atsushi Shimojima, Hiroaki Wada, Kazuyuki Kuroda
- GP05 Preparation of acetyl triethyl citrate by acetylation of triethyl citrate with acetic anhydride over a HZSM-5 zeolite catalyst (Sunchon National Univ.) Sang-Chul Jung, Kyong-Hwan Chung, Won-June Lee, Sung-Jin Lee
- GP06 Etherification from two different alcohols using molybdenum oxide supported on titania (AIST) Yoshihiro Kon, Akira Yada, Takuya Nakashima, Shinji Tanaka, Tadahiro Fujitani
- GP07 The Synthesis of Cyclic Carbonate from Epoide and CO₂ using Mg-MOF-74 as Catalyst (KIST) Yunjang Gu, Haeyoung Jeong, Eunmi Im, Taeyoung Kim, Dae-Won Park, Dong-Ha Lim
- GP08 Synthesis and characterization of e-Keggin-type Cobaltomolybdate-based 3D Framework Material (Hiroshima Univ.) M. Sadakane, T. Igarashi, Z. Zhang, N. Iseki, N. Hiyoshi, W. Ueda, T. Sano
- GP09 Effect of hierarchically porous alumina as support with Ca-Ni catalyst for methane steam reforming (KIST) Eunmi Im, Haeyoung Jeong, Yunjang Gu, Taeyong Kim, Geondaee Moon, Dong-Ha Lim
- GP10 Direct hydroxylation of benzene to phenol using H₂O₂ as an oxidant over Fe- or Cu-containing zeolite catalysts (Tokyo Inst. of Technol.) Peipei Xiao, Junko N. Kondo, Toshiyuki Yokoi

- GP11 A Study of New Concept Marine SCR Catalyst with 3D Metal Structure corresponding to IMO Tier III (KIST) Haeyoung Jeong, Yunjang Gu, Eunmi Im, Taeyong Kim, Yongki Choi, Moonhyeok Seo, Dong-Ha Lim
- GP12 Kinetics for 2-methylnaphthalene methylation over MTW-type zeolite with different crystal size and acidity (Hokkaido Univ.) Yuta Nakasaka, Gaku Watanabe, Takao Masuda
- GP13 Synthesis and characterization of alumina-carbon composite material for Transfer hydrogenation of Furfural to Furfuryl alcohol (KIST) Min Soo Kima, Fidelis S. H. Simanjutaka, Seoyeon Lim, Jungho Jae, Jeong-Myeong Ha, Hyunjoo Lee
- GP14 Efficient Xylose Dehydration to Furfural over Lewis Acid Catalysts in Biphasic Water and Toluene (Hokkaido Univ.) Navneet Kumar Gupta, Atsushi Fukuoka, Kiyotaka Nakajima
- GP15 Reverse Water Gas Shift Reaction Using Supported Ionic Liquid Phase Type Catalyst Systems (Hokkaido Univ.) Tomohiro Yasuda, Ken-ichi Tominaga, Mayumi Nishida
- GP16 Acidic Site Property and Performance Evaluation of Various Catalysts Based Transition Metal Oxide for Produced a Dry Oxidizing Agent by H₂O₂ decomposition (Inst. for Advanced Engineering) Hee Young Choi, Jung Hee Jang, Woo Jin Shin, Gi Bo Han
- GP17 NO Oxidation with Dry Oxidizing Agent Produced from Catalytic Process for DeNO_x in the Ship (Inst. for Advanced Engineering) Jung Hee Jang, Hee Young Choi, Woo Jin Shin, Gi Bo Han
- GP18 Direct Synthesis of Hydrogen Peroxide over Pd/C Catalysts : Effect of PhysicoChem. Properties of Support on the Reaction Performance (Kunsan National Univ.) Seok-Jin Kwon, Young-Min Chung
- GP19 Durability Enhancement of Pd Core-Pt Shell Structured Catalyst with SiO₂ and Carbon Coatings (Doshisha Univ.) Hideo Daimon, Shunya Higuchi, Yuiki Matsui, Yui Noguchi, Hisashi Kawasaki, Naoya Aoki, Hideo Inoue, Takayuki Doi, and Minoru Inaba
- GP20 A Polymer Electrolyte Alcohol Electrosynthesis Cell (PEAEC) Continuously Producing Alcohols from Carboxylic Acids (Kyushu Univ.) Masaaki Sadakiyo, Xuedong Cui, Shinichi Hata, Miho Yamauchi
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