**May 11th (General Poster Session, GP1)**

| No. P- | Author | Affiliation | Title |
|---|---|---|---|
| 3 | Shinji Iwamoto | Kyoto University | Direct Decomposition of Nitric Oxide on Barium Catalysts Supported on Various Metal Oxides |
| 7 | Kwang-Eun Jeong | KAIST | Selective Catalytic Reduction of Lean $NO_x$ with Propylene over Platinum Catalysts Supported an Mesoporous Silicates |
| 11 | Kwang Min Choi | Inha University | Selective Adsorption of Hydrocarbons onto Fibrous Nanostructured Materials |
| 13 | Soo Chool Lee | Kyungpook National University | $CO_2$ Absorption and Regeneration of Alkali Metal Based Solid Sorbents |
| 15 | Ji Hyang Son | POSTECH | Abatement of Diesel Particulate Matters (PM) over Potassium Dititanate ($K_2Ti_2O_5$) Catalyst |
| 21 | J.-H. Kim | Chonnam National University | Development of Air Purification Devices through Application of Thin-Film Photocatalyst |
| 25 | Kazu Okumura | Tottori University | Active and Reusable Catalyst in the Benzylation of Anisole Derived from a Heteropoly Acid |
| 29 | Chang-Ryul Jung | Seoul National University | Doping Effect of Precious Metal on the Activity of CuO-$CeO_2$ Catalyst for Selective Oxidation of CO |
| 31 | Kazuo Kato | Tottori University | Quick XAFS Studies on the Y-Type Zeolite Supported Au Catalysts for CO-$O_2$ Reaction |
| 33 | H. Sakurai | AIST | CO Concentration Dependence in CO Oxidation over Gold Catalysts and Application of the Catalysts for Indoor Air Purification |
| 37 | Jin Ho Lee | KRICT | Epoxidation of Cyclohexene with Aqueous Hydrogen Peroxide over Nanoporous Nickel Phosphates |
| 39 | Do-Young Hong | KRICT, Hanyang University | Dehydrogenation of Ethylbenzene with Carbon Dioxide Oover MgO Doped V-Sb-Al-O Catalysts |
| 41 | Takeshige Takahashi | Kagoshiam University | Effect of Pore Structure on Catalyst Deactivation in Vapor Phase Beckmann Rearrangement |
| 45 | Sang-Wook Park | Pusan National University | Reaction Kinetics of Carbon Dioxide with Glycidyl Methacrylate using Aliquat 336 as a Catalyst |
| 49 | Satoshi Kameoka | Tohoku University, | Preparation of Copper Catalysts with High Thermal Stability and Activity by the Immiscible Interaction between Copper and Iron or Chromium |
| 53 | Hye-Kyung Kim | KRICT, Inha University | Ru Doped $SnO_2$ Thin Films: Synthesis and Gas Sensing Properties |
| 55 | Tadashi Hattori | Aichi Institute of Technology | Analysis of Factors Controlling Catalytic Activity by Neural Network |
| 57 | Dae Hyun Kim | KIST | Ni-based Catalyst for Steam Reforming of LPG in Hydrogen Station and Fuel Processor Systems |
| 61 | Kyoko K. Bando | AIST | In-Situ XAFS Analysis of Pd-Pt Catalysts during Hydrotreatment of Model Oil |
| 63 | Nobuyuki Ichikuni | Chiba University | XAFS Study on Mesoporous Silica Anchored Mo Photo-Catalysts for a 1-Butene Metathesis Reaction |
| 65 | Upendra A. Joshi | POSTECH | Electrocatalytic Activity of $La_{1-x}Sr_xMnO_3$ (x=0.2-0.8) Nanocubes for Oxygen Reduction |
| 67 | Min Ku Jeon | KAIST | Operation Time Dependence of Pt and PtRu Black Catalysts for Direct Methanol Fuel Cell |
| 69 | Dong Ju Moon | KIST | Internal Reforming of $CO_2$ by $CH_4$ over Electrolyte Supported Cell of SOFC System |
| 71 | Dong Ju Moon | KIST | Development of Tri-Reforming Catalyst for Fuel Processor of SOFC and MCFC Systems |
| 75 | Mori, Toshinori | Okayama University | Endowment of Visible-Light Responsiveness onto the Tubular $TiO_2$ Sample |
| 77 | Song-Taek Oh | Seoul National University | Preparation of $TiO_2$ having Nano-Size Channel via Esterification and its Photocatalytic Oxidation |
| 79 | Hyunwoong Park | POSTECH | Electron Transfer Mediating Behaviors of Polyoxometalate in UV-Illuminated Suspensions of $TiO_2$ and Pt/$TiO_2$ |
| 85 | Kohichi Segawa | Sophia University | NiMo/$TiO_2$-$Al_2O_3$ Catalysts for the Ultra Deep Hydrodesulfurization |
| 87 | M. Nagai | Tokyo University of Agriculture and Technology | CVD Preparation of Ni-Promoted Tungsten Nitride Catalyst and its Activity for Thiophene HDS |
| 95 | Dong-Ho Choi | Chonnam National University | Liquid-phase Degradation of HDPE over Alkali-treated MFI Zeolites |
| 97 | Hideo Nagata | Sasebo National College of Technology | Dehydroisomerization of Butane into Isobutene over Platinum-Loaded MFI-Type Ferrisilicate Catalysts |
| 99 | Tao Li | AIST | A Green Process for Synthesis of 2,2-Dimethylpropanoic Acid: Vapor Phase Koch-Type Carbonylation of *tert*-Butyl Alcohol over H-Zeolites |
| 101 | Taihuan Jin | KRICT, Inha University | Rapid Synthesis of (Na, H) ZSM-5 using Continuous Crystallization Microwave Equipment |
| 103 | Heesoo Kim | Seoul National University | Preparation and Characterization of Heteropolyacid/Mesoporous Carbon Catalyst for the Vapor-Phase Alcohol Conversion Reaction |
| 105 | Paresh L. Dhepe | Hokkaido University | Conversion of Sugars Catalyzed by Sulfonated Mesoporous Silicas |
| 107 | Yoshihiro Kubota | Yokohama National University | Acceleration of base-catalyzed aldol reaction by ordered porous silicate |
| 109 | Ji-Young Ban | KyungHee University | High Concentrated Toluene Decomposition on the Dielectric Barrier Discharge (DBD) Plasma-Photocatalytic Hybrid System with Mn-Ti-Incorporated Mesoporous Silicate Photocatalyst (Mn-Ti-MPS) |
| 111 | Deogseong Lee | POSTECH | Methanol Synthesis over Pd/$SiO_2$ with Narrow Pd Size Distribution by using MCM-41 as a Support Precursor |
| 113 | Kyung Yeol Kim | Seoul National University | Synthesis of Mesoporous Materials with Pore Walls of Zeolytically ordered Structure |
| 115 | Ji Woong Yoon | KRICT | Template-Free Synthesis of the Nanoporous Nickel Phosphate VSB-5 under Microwave Irradiation |
| 117 | Masashi Ookawa | Ehime University | Synthesis and Characterization of Nano-Scale Tubular Hydrous Oxide Material |
| 119 | Il Kim | Pusan National University | Aliphatic Polycarbonate Synthesis by Copolymerization of Carbon Dioxide with Epoxides over Double Metal Cyanide Catalyst Prepared by using $ZnX_2$ (X=F, Cl, Br, I) |
| 121 | Yuriko Nitta | University of Hyogo | Enantioselective Hydrogenation of $\alpha,\beta$-unsaturated Carboxylic Acids with Cinchonidine-modefied Pd Catalyst |
| 123 | Gi Wan Son | Pusan National University | Novel Ni(II)-Based Catalysts for the Polymerization of Ethylene |
| 125 | Masayuki Shirai | AIST | Synthesis of Organic Hydrogen Strage Materials in Supercritical Carbon Dioxide Solvent |
| 127 | Osamu Sato | AIST | Hydrolysis behavior of poly(ethylene-2,6-naphthalene dicarboxylate) in subcritical and supercritical water |
| 129 | Myung-Jong Jin | Inha University | Asymmetric Transformation of Aromatic Aldehydes with Chirally Functionalized Mesoporous Catalysts |

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| 133 | Jung Yeon Won | KAIST | Performance of a Microchannel Reactor Combined with Combustor for Methanol Steam Reforming |
| 135 | Yasuyuki Matsumura | AIST | Pure Hydrogen Production by Methane Steam Reforming with Hydrogen Permeable Membrane Reactor |
| 137 | Kohei Urasak | Waseda University | Steam Reforming of Ethanol over Cobalt Catalysts Supported on Various Perovskite-Type Oxides |
| 139 | Suk Hoon Yoon | Yeungnam University | $CO_2$-Free Hydrogen Production by Thermocatalytic Decomposition of Propane over Carbon Blacks |
| 141 | Kiyomi Okabe | AIST | Fischer-Tropsch Synthesis over $Co/SiO_2$ Catalysts with Bimodal Pore Structure Prepared by the Alkoxide Method |
| 143 | Masaharu Komiyama | Yamanashi University | Cobalt CVD Process on a Molybdenite Basal Plane observed by Ultra-high Vacuum Scanning Tunneling Microscopy |
| 147 | Noriyasu Okazaki | Kitami Institute of Technology | Selective Catalytic Reduction of Nitrogen Oxide with Methanol in Excess Oxygen: Difference in Activity among Commercial Alumina Catalysts |
| 149 | Chang-Soo Woo | Seoul National University | Highly Dispersed $H_3PW_{12}O_{40}$ Supported on SBA-15 Mesoporous Silica for Catalytic Dehydration of Acetic Acid |
| 151 | Mizuki Tada | The University of Tokyo | Self Chirality Creation and Catalytic Performance on Surfaces: Chiral Self-Dimerized V-dimer Catalysts on $SiO_2$ for Highly Enantioselective Oxidative Coupling of 2-Naphthol |
| 153 | Kwang-Eun Jeong | KAIST | Synthesis of Macrostructured MCM-41 and Application to Lean $NO_x$ SCR |
| 155 | Changho Jungand | Tohoku University | Support Effect on Automotive Precious Metal Catalysts: An Accelerated Quantum Chemical Molecular Dynamics and Density Functional Theory Study |
| 157 | Kenichi Sawamura | Waseda University | High Temperature Separation of Water/Methanol/Hydrogen Mixtures through a ZSM-5 Membrane |