

May 10th (Young Scientists Session)

No. YP	Author	Affiliation	Title
1	Masashi Tanaka	Okayama University	An Enhanced N ₂ -Adsorption Capability of Copper Ion-Exchanged ZSM-5 Zeolite: Effect of Addition of Acetic Compound to the Exchange Solution
4	K.Ito	Kumamoto University	NO _x Adsorption Properties of Inorganic Porous Materials in the Presence of Water Vapor and SO ₂
5	S. Hamada	Kumamoto University	Catalytic Property of Pt-M/Mg-Al-O (M=Mo and W) for Low Temperature NO-H ₂ -O ₂ Reactions
6	Chan-Soon Kang	Sunchon National University	Selective Catalytic Reduction of NO _x with Propene over Double Wash-coated Monolith Catalysts
9	Ryosuke Yoshimoto	Tottori University	Simultaneous Abatement of NO and Aromatic Hydrocarbons at Low Temperature over Pd Supported Catalyst
10	Ki-Joong Kim	Sunchon National University	Adsorption-Desorption Characteristics of VOCs over Impregnated Activated Carbon
11	Kwang Min Choi	Inha University	Selective Adsorption of Hydrocarbons onto Fibrous Nanostructured Materials
15	Ji Hyang Son	POSTECH	Abatement of Diesel Particulate Matters (PM) over Potassium Ditanate (K ₂ Ti ₂ O ₅) Catalyst
16	Masaru Takahashi	Kyoto University	Effect of Zn-Modification on the Catalytic Activity of γ -Ga ₂ O ₃ -Al ₂ O ₃ for the NO Reduction with Methane
17	Yutaka Hirose	Oita University	Catalytic Decomposition of Nitrogen Trifluoride
19	Seiji Ymazoe	Kyoto University	Efficient TiO ₂ Photocatalyst for Photoassisted Selective Catalytic Reduction of NO with NH ₃
20	Mun-Il Kim	Pusan National University	Selective Oxidation of Hydrogen Sulfide Containing Excess Water and Ammonia over Vanadia-Titania Aerogel Catalysts
22	Tomohiro Oonaka	Kinki University	Oxidative Dehydrogenation of Methanol over a Ru-Containing Polyoxomolybdate Supported on Metal Oxides Chemically Modified with Silane Coupling Agent
23	Na-oyoshi Iwasaki	Kansai University	Partial Oxidation of Ethane to Synthesis Gas over Co-Loaded Catalysts
24	Sang-Min Lee	Yonsei University	Ozone Decomposition on MnO ₂ -loaded TiO ₂ Catalysts
26	Eun Duck Park	Ajou University	CO Oxidation over Au/ γ -Al ₂ O ₃
27	Katsuma Iteya	Kinki University	Phosphovanadomolybdate/Fluorapatite Solid-Phase System for Aerobic Oxidative Dehydrogenation
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
32	Jinseong Choi	POSTECH	Iron-Based Nano Catalysts for Oxidation of o-Dichlorobenzene
35	Shunsaku Hoshi	Kinki University	Solvent-Free H ₂ O ₂ -Epoxidation in Tungstate/Hydrocalcite Solid-Phase System
36	Sujandi	Inha University	Catalytic Oxidation of Olefins over Co(Cyclam) Functionalized SBA-materials with H ₂ O ₂
37	Jin Ho Lee	KRICT	Epoxidation of Cyclohexene with Aqueous Hydrogen Peroxide over Nanoporous Nickel Phosphates
38	Kenji Sato	Kinki University	High Efficiency of Hydrogen Peroxide in Fluorapatite Solid-Phase Epoxidation System
39	Do-Young Hong	KRICT, Hanyang University	Dehydrogenation of Ethylbenzene with Carbon Dioxide over MgO Doped V-Sb-Al-O Catalysts
43	Atsushi Takagaki	Tokyo Institute of Technology	Acid-Catalyzed Reactions using Sulfonated Amorphous Carbon Materials (Carbon-Based Solid Acids)
44	Akiyasu Sasano	Kitami Institute of Technology	The Nature of Active Sites on Zirconium Oxide Modified with Phenylsilane
46	Dong Baek Kim	Seoul National University	Support Modification of Pt/C Catalyst for PEMFC by Surface Oxidation
47	Sung-Wook Kim	Kyoto University	Solvothermal Synthesis of Gallium Oxide
51	Satoka Tanaka	The University of Tokyo	Design of SiO ₂ -Supported Cu-BOX Complexes and their Enantioselectivity for Asymmetric Diels-Alder Reaction
53	Hye-Kyung Kim	KRICT, Inha University	Ru Doped SnO ₂ Thin Films: Synthesis and Gas Sensing Properties
57	Dae Hyun Kim	KIST	Ni-based Catalyst for Steam Reforming of LPG in Hydrogen Station and Fuel Processor Systems
58	Jong Woo Ryu	KIST	Development of Water Gas Shift Catalyst for Fuel Processor and Hydrogen Station
59	Toyokazu Tanabe	Tohoku University	A Novel Catalyst Fabricated from Al-Cu-Fe Quasicrystal for Steam Reforming of Methanol
60	Katsutoshi Sato	Oita University	MgO Supported Transition Metal Catalysts for Autothermal Reforming of n-Butane
64	Dong-Ha Lim	Seoul National University	Preparation of Platinum Nanoparticles using Surfactant for Anode Catalyst in the Low-Temperature Fuel Cell
65	Upendra A. Joshi	POSTECH	Electrocatalytic Activity of La _{1-x} Sr _x MnO 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
68	Sang-Won Ahn	Yonsei University	Discovery of New Types of Proton Conductors for Electro-Oxidation of Methanol
70	Seung-Wan Kim	Yonsei University	Development of Micro Fuel Cell Based on PCB (Printed-Circuit Board)
72	T.Mitsuyama	Kumamoto University	Photocatalytic Property and Electronic Structure of Layered Perovskites, A 'An-1BnO3n+1 (A=H, Na, Rb, Cs, A=La, Ca, Sr, B=Nb, Ta)
73	Fumiaki Amano	Kyoto University	Effect of Alkali Ion Addition to Silica-Supported Vanadium Oxide on the Selective Photocatalytic Oxidation of Propylene
76	Shinichiro Nishio	Osaka University	Photocatalysis and Photo-Induced Super-Hydrophilic Property on Transparent Ti-Containing Mesoporous Silica Thin Films
81	Rumi Takeuchi	Osaka Prefecture University	The Selective Elimination of CO in H ₂ using Mo-oxide Photocatalysts Highly Dispersed on SiO ₂
82	Kazuhiro Maeda	The University of Tokyo.	GaN:ZnO Solid Solution as a Photocatalyst for Visible-Light-Driven Overall Water Splitting
83	Makoto Makita	Kyushu University	Effects of Salinity on Photocatalytic Dye Decomposition in Seawater
84	Kentaro Teramura	The University of Tokyo	Characterization of RuO ₂ co-Catalyst Supported on (Ga _{1-x} Zn _x)(N _{1-x} O _x) Photocatalyst
89	Y. Kanda	Muroran Institute of Technology	Catalytic Performance of Noble Metals Supported on Alumina-modified MCM-41 for Thiophene Hydrodesulfurization
90	Akira Kato	Shimane University	Intrinsic Catalytic Activity of SiO ₂ -supported Co-Mo and Co-W Sulfide Catalysts for the Hydrodesulfurization of Thiophene
91	Jae Hyun Koh	Seoul National University	Performance of a Sonochemically Synthesized MoS ₂ Catalyst Supported on Mesoporous Carbon in the Deep Hydrodesulfurization of Dibenzothiophenes

92	Kenji Sato	Shimane University	Evaluation of a Relative Edge Dispersion of Supported MoS ₂ and WS ₂ Catalysts by Using Co(CO) ₃ NO as a Probe Molecule
93	Takeshi Kadono	Shimane University	Characterization of Molybdenum Nitride and Sulfide Catalysts Encaged in Cation Exchanged Zeolite
103	Heesoo Kim	Seoul National University	Preparation and Characterization of Heteropolyacid/Mesoporous Carbon Catalyst for the Vapor-Phase Alcohol Conversion Reaction
104	Deok-Kyu Kim	KRICT, Inha University	PTSn Encapsulated Mesoporous Silica for Selective Dehydrogenation of n-Dodecane
112	Takashi Kamegawa	Osaka Prefecture University	The Preparation of Unique Inorganic-Organic Hybrid Mesoporous Materials Incorporating a Cr-Arene Complex and Their Catalytic Activities
113	Kyung Yeol Kim	Seoul National University	Synthesis of mesoporous materials with pore walls of zeolytically ordered structure
114	Ji Bong Joo	Seoul National University	Preparation of Mesoporous Carbon Templated by Silica Particle for Use as a Catalyst Support of Polymer Electrolyte Membrane Fuel Cell
115	Ji Woong Yoon	KRICT	Template-Free Synthesis of the Nanoporous Nickel Phosphate VSB-5 under Microwave Irradiation
128	Myung-Jong Jin	Inha University	Pd-Catalyzed Asymmetric Allylic Substitution with Immobilized Chiral Phosphine Ligands
129	Myung-Jong Jin	Inha University	Asymmetric Transformation of Aromatic Aldehydes with Chirally Functionalized Mesoporous Catalysts
131	Koji Itagaki	Nara Institute of Science and Technology	Effect of Ligand in Copolymerization of Ethylene with 1,1-Dibstituted-olefins Catalyzed by Half-Titanocenes Containing Aryloxo Ligands
132	Kwang Min Choi	Inha University	Catalytic Dehydration of Alcohols over Novel N-SIPA materials
133	Jung Yeon Won	KAIST	Performance of a Microchannel Reactor Combined with Combustor for Methanol Steam Reforming
144	H. Ariga	The University of Tokyo	Visible Light Induced Photo-Decomposition of Formic Acid on Rutile TiO ₂ (001) Studied by STM
145	Kenji Nakao	University of Tsukuba	Infrared Chemiluminescence Study of CO+O ₂ Reaction on Pd Surfaces: Activated Complex of CO ₂ Formation with High CO Coverage
146	Masaki Aizawa	The University of Tokyo	Defect Promoting Catalytic Decomposition Reaction of formic acid on TiO ₂ (110) studied by STM