

Timetable

PL: Plenary Lecture, 45-min talk and 5-min Q&A, **KN:** Keynote Lecture, 35-min talk, 4.5-min Q&A and 0.5-min speaker changeover

YO: Young Oral, 10-min talk, 4.5-min Q&A and 0.5-min speaker changeover, **GO:** General Oral, 15-min talk, 4.5-min Q&A and 0.5-min speaker changeover

YP: Young Poster, **SO*** for **YP:** Short Oral Presentation for Young Poster, 2.5-min talk and 0.5 min speaker changeover without Q&A, **GP:** General Poster without oral slot

Poster session for all of **GP** and **YP** is 5/20 (Tue), 17:23-18:20, and posters can be displayed during the symposium. Poster board size is 90 cm width X 140 cm height.

5/19 (Mon) Afternoon

Start	End	Room A	Room B	Room C	Room D
16:00	18:00	Registration 16:00-18:00			
18:00	20:00	Meeting on future academic activities in the field of catalysis in Japan and Korea 16:00-18:00, venue has not been fixed.			

5/20 (Tue) Morning

Start	End	Room A		Room B		Room C		Room D	
		Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title
9:00		Registration 9:00-							
10:00	10:10	Opening remark 10:00-10:10 Room A							
10:10	11:00	PL1 10:10-11:00 Room A	Tatsumi Ishihara (Kyushu University) Direct Decomposition of NO under Micro-wave Irradiation	PL1 10:10-11:00 Room A	broadcast to Room B. Questions can only be asked from Room A.				
11:00	11:10	Break 11:00-11:10							
11:10	11:25	YO A01 11:10-11:25 Room A	Qing Yu, Takafumi Yatabe, Takehiro Matsuyama, Tomohiro Yabe, Kazuya Yamaguchi (The Univ. of Tokyo) Benzyllic C(sp ³)-H Selective Dehydrogenative Silylation Catalyzed by Supported Ni Nanocatalysts	YO B01 11:10-11:25 Room B	Minami Nakano, Mai Furukawa, Ikki Tateishi, Hideyuki Tateishi, Satoshi Kaneco (Mie Univ.) Determination of Heavy Metals in Water Samples by Graphite Furnace Atomic Absorption Spectrophotometry	YO C01 11:10-11:25 Room C	Mayumi Puspita, Tomoaki Takayama, Yosuke Harashima, Shogo Takasuka, Mikiya Fujii (Nara Inst. of Science and Technology) in silico Designs of Cu-Based Tantalate Photocatalysts for Hydrogen Production under Visible Lights	YO D01 11:10-11:25 Room D	Hoesuk Yim, Yasin Khani, Jong hun Kang, Young-Kwon Park (Seoul National Univ., Univ. of Seoul) Enhanced Methane Synthesis from CO ₂ Methanation Using Ni/Al ₂ O ₃ Prepared by Sol-Gel Method
11:25	11:40	YO A02 11:25-11:40 Room A	Yoojin Lee, Byung Gwan Park, Kwangjin An, Jeong Woo Han (Seoul National Univ., Ulsan National Inst. of Science and Technology) Synergistic Effect between MoOx and Pd for Effective Dehydrogenation	YO B02 11:25-11:40 Room B	Xinyue Li, Yusuke Kita, Pengru Chen, Masazumi Tamura (Osaka Metropolitan Univ.) Development of Cerium Oxide-Supported Ru-Based Bimetallic Catalysts for Hydrogenolysis of LDPE under Low Pressure	YO C02 11:25-11:40 Room C	Shintaro Yoshikawa, Yutaka Amao (Osaka Metropolitan Univ.) Hybrid System for Hydrogen Production from Formate with Host-guest Photocatalysts	YO D02 11:25-11:40 Room D	Jongha Hwang, Gwang-Jin Na, Juhyun Jeong, Jeong-Chul Kim, Ryong Ryoo (Korea Inst. of Energy Technology, Hanbat National Univ.) Intermetallic Pd-In Nanoparticles in Mesoporous MFI Zeolite for CO ₂ Hydrogenation to Methanol
11:40	11:55	YO A03 11:40-11:55 Room A	Enggah Kurniawan, Kohta Horio, Yasuhiro Yamada, Satoshi Sato (Chiba Univ.) Vapor-phase Aldol Condensation of Butanal over Nb/SiO ₂ Catalysts Prepared with Organic Additives	YO B03 11:40-11:55 Room B	Koki Aoshima, Hideyuki Katsumata, Ikki Tateishi, Mai Furukawa, Satoshi Kaneco (Mie Univ.) Reactive Yellow 86 Decolorization by NaBH ₄ -treated MnCo ₂ O ₄ in the Presence of Oxone	YO C03 11:40-11:55 Room C	Daehee Kim, Gisu Doo (Korea Inst. of Energy Research) Overcoming TiOx Problem at interface Contact by Applying Double-Layered Catalyst Layer Structure	YO D03 11:40-11:55 Room D	Kentaro Kimura, Ken Nakamura, Jeraldine Docil Calangi, Teruoki Tago (Inst. of Science Tokyo) Hydrotalcite-Derived CuMgFe/Al ₂ O ₃ Catalysts for Efficient Hydrocarbon Synthesis via CO ₂ Hydrogenation
11:55	12:10	YO A04 11:55-12:10 Room A	Miyeon Kim, Daewon Oh, Kwangjin An, Jeong Woo Han (Seoul National Univ., Ulsan National Inst. of Science and Technology) Unveiling the Origin of Rh Metal Size Effects in Olefin Hydroformylation	YO B04 11:55-12:10 Room B	Viet Le Nam Vo, Kwangsun Yu, Young-Min Chung (Kunsan National Univ., Korea Research Inst. of Technology) Catalytic Wet Peroxide Oxidation of Methyl Orange with in-situ generated H ₂ O ₂ over Pd/ZIF-67(FeCo) Catalysts	YO C04 11:55-12:10 Room C	Jeongha Kim, Hae In Lee, Hee Soo Kim, Se Hun Kwon, Dong-Ha Lim (Korea Inst. of Industrial Technology, Pusan National Univ.) Effect of Al ₂ O ₃ Additive on Raney Ni Electrode in Alkaline Water Electrolysis	YO D04 11:55-12:10 Room D	Sumin Pyo, Haneul Shim, Yasin Khani (Korea Advanced Inst. of Science and Technology, Seoul National Univ., Univ. of Seoul) Enhanced Catalytic Activity of Metal-Doped Cu/ZnO/Al ₂ O ₃ Catalyst Incorporated Polyethylene Glycol for CO ₂ Hydrogenation to Methanol
12:10	12:25	YO A05 12:10-12:25 Room A	Heizo Kimura, Takafumi Yatabe, Kazuya Yamaguchi. (The Univ. of Tokyo) Synthesis of m-Phenylenediamine Derivatives through Dehydrogenative Aromatization Enabled by Au/CeO ₂	YO B05 12:10-12:25 Room B	Zannatul Mumtarin Moushumi, Ai Kuraoka Sota Sakamoto, Hiroshi Yoshida, Keisuke Awaya, Junya Ohyama, Masato Machida (Kumamoto Univ., Kanazawa Univ.) Development of PtPd-Ni Composite Three-Way Catalysts	YO C05 12:10-12:25 Room C	Kyeongwon Han, Jeongeun Song, Boyean Kim (Yonsei Univ.) Structural Effect on Tungsten-based Perovskite Catalysts by Active Metal Doping for Efficient Water Electrolysis	YO D05 12:10-12:25 Room D	Tomohiro Hojo, Tomohiro Yabe, Kazuya Yamaguchi (The Univ. of Tokyo) Development of FeMnPt Catalysts for CO ₂ Hydrogenation to Lower Olefins and Effect of Active Site Structures
12:25	12:40	YO A06 12:25-12:40 Room A	Clinton Manianglung, Young Soo Ko (Kongju National Univ.) Influence of Synthesis Parameters of Ziegler-Natta Catalysts in Ethylene Polymerization	YO B06 12:25-12:40 Room B	Takeshi Ohtsu, Hiroki Miyazaki, Nao Tsunoji, Akira Oda, Atsushi Satsuma (Nagoya Univ., Hiroshima Univ.) Role of Water Vapor in Promoting NO Adsorption on Pd Zeolites	YO C06 12:25-12:40 Room C	Hiroyuki Okada, Ren Adachi, Etsushi Tsuji, Ryosuke Nanbu, Kazu Okumura, Sho Kitano, Hiroki Habazaki, Satoshi Sugauma, Naonobu Katada (Tottori Univ.) Brownmillerite-type Ca ₂ FeCoO ₅ Ultrathin Layers as Electrocatalysts for Oxygen Evolution Reaction	YO D06 12:25-12:40 Room D	Sang Hun Choi, Junghoon Lee, Yeollim Lee, Inhak Song (Korea University, Keimyung University) Variability of the Pr Effect on Ceria for CO ₂ Methanation: Dependence on Ni Particle Size and Pre-reduction
12:40	13:40	Break 12:40-13:40							

5/20 (Tue) Afternoon

Start	End	Room A		Room B		Room C		Room D		
		Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	
13:40	13:55	YO A07 13:40-13:55 Room A	Sora Wakabayashi, Takafumi Yatabe, Nobuki Hachimura, Daisuke Takei, Tomohiro Yabe, Kazuya Yamaguchi (The Univ. of Tokyo) Amide Oxidation by a Homogeneous-Heterogeneous Hybrid Catalyst Utilizing Multiple Adsorption Sites	YO B07 13:40-13:55 Room B	Hongbeom Park, Hyun Sub Kim, Inhak Song, Do Heui Kim (Seoul National Univ.) Effect of Physical Mixing of Zeolite on the Sulfur Resistance of Bulk Vanadia Catalyst for NH ₃ -SCR	YO C07 13:40-13:55 Room C	Rizki Marcony Surya, Surya Pratap Singh, Takuya Okazaki, Fumiaki Amano (Tokyo Metropolitan Univ.) Improved Stability of Copper(I) Oxide Photocathodes in Nitrate Reduction Reaction via an Adsorption Mechanism	YO D07 13:40-13:55 Room D	Soma Shukuya, Norikazu Namiki, Zen Maeno (Kogakuin Univ.) CO ₂ Capture in the Presence of O ₂ and Selective Hydrogenation to CO over Ag-K Dual Functional Material	
13:55	14:10	YO A08 13:55-14:10 Room A	Sang Yun Kim, Na-Yeong Ju, Seok Ho Lee, Ye Rim Park, Byung Jin Lee, Jinseong Kim, Jungkyu Choi, Do Heui Kim (Korea Univ.) Redefining the Role of Cobalt Oxide in Ethane Dehydroaromatization: Insights into Enhanced Catalytic Activity and Stability	YO B08 13:55-14:10 Room B	Yuki Inoda, Ayaka Shigemoto, Chihiro Ukai, Takuma Higo, Kohei Oka, Yasushi Sekine (Waseda Univ., Isuzu Central Research Center) NO _x Storage and Reduction System with an Electric Field under Lean Burn Conditions	YO C08 13:55-14:10 Room C	Hinata Suzuki, Hideyuki Katsumata, Ikki Tateishi, Mai Furukawa, Satoshi Kaneco (Mie Univ.) Effect of Doping Heteroatoms into Graphitic Carbon Nitride on Photocatalytic Dye Degradation	YO D08 13:55-14:10 Room D	Hyeonji Yeom, Yongseok Kim, Jongmin Park, Kyungsu Na (Chonnam National Univ.) Exsolution-Induced Synergistic Interactions on FeK/CuAl ₂ O ₄ for CO ₂ -Derived Sustainable Gasoline Production	
14:10	14:25	YO A09 14:10-14:25 Room A	Haruumi Sakai, Takafumi Yatabe, Kazuya Yamaguchi (The Univ. of Tokyo) Aerobic Synthesis of Novel Amidines Catalyzed by Supported Au Nanoparticles			YO C09 14:10-14:25 Room C	Dewangga Oky Bagus Apriandanu, Rafi Ramadhan, Dicky Annas, Yoki Yulizar (Univ. Indonesia, National Research and Innovation Agency) Optimizing Visible-light-driven ZnO Photocatalyst Modified with CeMnO ₃ Prepared Using Amaranthus Viridis Leaf Extract for Degradation of Malachite Green	YO D09 14:10-14:25 Room D	Jungmok Oh, Jaeseok An, Iljun Chung, Yongju Yun (Pohang Univ. of Science and Technology) Enhancement in Stability of PtSn Catalysts on Physically Mixed CeO ₂ -Al ₂ O ₃ Support for CO ₂ -assisted Oxidative Dehydrogenation of Propane	
14:25	14:40	YO A10 14:25-14:40 Room A	Gyuhoo Han, Eunji Lee, HyeKyung Kwon, Jaebeom Han, Si Woo Lee, Jeong Young Park (Korea Advanced Inst. of Science and Technology) Mechanism of Catalytic Enhancement on Metal-Oxide Hybrid Nanocatalyst by Engineering Interfacial Sites	YO B10 14:25-14:40 Room B	Min Gie Jung, Hwajun Lee, Dong Wook Kwon (Korea Inst. of Science and Technology, Korea Univ.) Exploring Tailorable Surface Properties of Ceria-Supported Cobalt Spinel Catalysts for Direct N ₂ O Decomposition	YO C10 14:25-14:40 Room C	Somin Park, Siranuysh Badalyan, Taeyoul Han, DongYeon Kim, Kyubock Lee (Chungnam National Univ.,) Fe ²⁺ -based Selective Solid-state Catalysts for Electrochemical NORR Application	YO D10 14:25-14:40 Room D	Naoki Muromoto, Ryoya Ikka, Ryota Ishimura, Hiroyuki Okada, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Compositional and Structural Changes of Tin-Zinc Composite Oxides during Electrochemical Reduction of Carbon Dioxide	
14:40	14:55	YO A11 14:40-14:55 Room A	Takuya Matsuda, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Alkali-silver Ion Exchange Property of Zeolite	YO B11 14:40-14:55 Room B	Hyejin Kim, Hee Soo Kim, Jong-Hoon Lee, Jungho Jae, Dong-Ha Lim (Korea Inst. of Industrial Technology, Pusan National Univ.) Potassium-promoted Rh-based Catalysts for N ₂ O Decomposition from Ammonia-fueled Ships	YO C11 14:40-14:55 Room C	Suhyun Kim, Hae In Lee, Hee Soo Kim, Jung Rae Kim, Dong-Ha Lim (Korea Inst. of Industrial Technology, Pusan National Univ.) Fabrication of Film-type Electrode through Polyaniline for Alkaline Water Electrolysis	YO D11 14:40-14:55 Room D	Yongseok Kim, Yuhwan Kim, Hyeonji Yeom, Kyungsu Na (Chonnam National Univ.) Systematic Control of Hydrocarbon Selectivity via Hydrogen Spillover in CO ₂ Hydrogenation	
14:55	15:10	YO A12 14:55-15:10 Room A	Kenshin Chishima, Takumi Masuda, Hiroshi Sampei, Koki Saegusa, Sakuya Hattori, Yoshihiro Yayama, Yasushi Sekine (Waseda Univ., ENEOS Corp.) Efficient Acetic Acid Synthesis Pathway Exploration on Rh Surface and Rh/Metal Oxide Interface	YO B12 14:55-15:10 Room B	Zhengwei Ma, Masaru Kato, Ichizo Yagi (Hokkaido Univ.) High Turnover Frequency in e-N ₂ O ₂ RR on Binuclear Copper Complex of 3,5-Diamino-1,2,4-Triazole	YO C12 14:55-15:10 Room C	Hyeon-Bin Lee, Jae-Cheol Park, Soe-Jin Jeong, Si-Yun Jeong, Jun-Seok Ha, Hyeon-Taek Jeong, Tae-Won Kim (Korea Inst. of Industrials Technology, Chonnam National Univ.) Enhanced Photoelectrochemical Performance of Mo-Doped BiVO ₄ Thin Films via High-Throughput Techniques	YO D12 14:55-15:10 Room D	Eun Ji Kim, Dong Chan Park, Do Heui Kim, Inhak Song (Korea Univ., Seoul National Univ.) Strategic Optimization of Ru Catalyst Activity through Sodium Precursor-Mediated Size Control in Dual Function Material (DFM)	
15:10	15:20	Break 15:10-15:20								
15:20	16:10	PL2 15:20-16:10 Room A	Ja Hun Kwak (Ulsan National Institute of Science and Technology) Understanding of Alumina Surface and Catalysis	PL2 15:20-16:10 Room A	broadcast to Room B. Questions can only be asked from Room A.					
16:10	16:20	Break 16:10-16:20								
16:20	16:23	SO* for YP01 16:20-16:23 Room A	Young Eun Kim, Jiyull Kim, Na Yeon Kim, Deok Woo Kim, Ji Bong Joo (Konkuk Univ.) Development of Fire-Extinguishing Microcapsules for Rapid Fire Suppression	SO* for YP21 16:20-16:23 Room B	Boyeon Kim, Kyeongwon Han, Jeongeun Song (Yonsei Univ.) Bifunctional Cathode Catalysts of Barium Titanate based Perovskites for Metal-air Battery Applications	SO* for YP41 16:20-16:23 Room C	Mayu Kawaguchi, Hideyuki Katsumata, Mai Furukawa, Ikki Tateishi, Satoshi Kaneco (Mie Univ.) Decolorization Performance of Methyl Orange Using Photocatalytic TpPaCOF Cl ₂ Membrane	SO* for YP61 16:20-16:23 Room D	Jongmin Park, Hyeonji Yeom, Yongseok Kim, Kyungsu Na (Chonnam National Univ.) FeK/CuAl ₂ O ₄ Catalyst for Sustainable Fuel Production via CO ₂ Hydrogenation	
16:23	16:26	SO* for YP02 16:23-16:26 Room A	Takumi Masuda, Takuya Hikino, Rei Umeda, Atsushi Shimojima, Yasushi Sekine (Waseda Univ.) Confinement of Au Nanoparticles in Cage-Siloxane-based Porous Materials via Onsite Reduction	SO* for YP22 16:23-16:26 Room B	Kosei Hata, Atsushi Tanaka, Hiroshi Kominami (Kindai Univ.) Dechlorination of p-Chlorotoluene over Co-catalyst Loaded Carbon Nitride Photocatalysts	SO* for YP42 16:23-16:26 Room C	Yui Akaike, Keishi Ogura, Daisuke Nagai, Shusuke Okamoto (Univ. of Shizuoka) Photooxidation Reaction of Aromatic Boron Compound Using Pyrene Core-Based Photoredox Catalysts	SO* for YP62 16:23-16:26 Room D	Chufeng Liu, Chengwei Wang, Yinglou He, Gouhui Yang, Noritatsu Tsubaki (Univ. of Toyama) Highly Efficient Hydrogenation of CO ₂ to Heavy Hydrocarbons via NaFeGa Catalysts	
16:26	16:29	SO* for YP03 16:26-16:29 Room A	Haneul Kim, Kwang Hyun Kim, Konstantin Khivantsev, Joonwoo Kim, Dongcheol Lee, Jaekyeong Lee, Ja Hun Kwak (Ulsan National Inst. of Science and Technology, Pacific Northwest National Laboratory, Research Inst. of Industrial Science & Technology, Pukyong National Univ.) Changes of Structure Sensitivity of Pt/TiO ₂ on the CO Oxidation Reactions: A Comparative Study of Pt/frutile and Pt/anatase	SO* for YP23 16:26-16:29 Room B	Ja Yun Heo, Jeong Gil Seo (Hanyang Univ.) Interplay between Adsorption and Photocatalytic Oxidation of Formaldehyde: A Kinetic Modeling	SO* for YP43 16:26-16:29 Room C	Keishi Ogura, Daisuke Nagai, Shusuke Okamoto (Univ. of Shizuoka) Development of 1-Dialkylamino Pyrene-Based Photoredox Catalysts	SO* for YP63 16:26-16:29 Room D	Haseeb Shafqat, Yusei Kato, Ayaka Matsunaga, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Hybrid Catalyst Design for Efficient CO ₂ -to-Gasoline Conversion Using Na/ZnFe ₂ O ₄ and ZSM-5	
16:29	16:32	SO* for YP04 16:29-16:32 Room A	Yuichiro Okuzumi, Hiroki Miura, Tetsuya Shishido (Tokyo Metropolitan Univ.) Hydrogen Activation by Supported Au Catalysts: Effect of Au Particle Size and Support	SO* for YP24 16:29-16:32 Room B	Atsuya Inagaki, Atsushi Tanaka, Hiroshi Kominami (Kindai Univ.) Selective Ring Hydrogenation of Furfuryl Alcohol over TiO ₂ Photocatalyst with Cocatalysts	SO* for YP44 16:29-16:32 Room C	Mahiro Shibuki, Minaho Kawatsu, Kotohiro Nomura (Tokyo Metropolitan Univ.) Synthesis of Cyclic Olefin Copolymers (COCs) by Ketimide-Modified Half-Titanocene Catalysts	SO* for YP64 16:29-16:32 Room D	Yusei Kato, Ayaka Matsunaga, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Influence of Pressure on CO ₂ to Hydrocarbon Reaction over Sodium Ferrite-MFI Type Zeolite Mixture	
16:32	16:35	SO* for YP05 16:32-16:35 Room A	Jaebeom Han, Hyeon Jeong Kim, Sang Woo Han, Jeong Young Park (Korea Advanced Inst. of Science and Technology) Enhanced Catalytic Activity of Facet-Controlled Co ₃ O ₄ Supported Pt Nanoparticles through Strong Metal-Support Interaction	SO* for YP25 16:32-16:35 Room B	Shoya Oda, Atsushi Tanaka, Hiroshi Kominami (Kindai Univ.) Photocatalytic Hydrogenation Using Glycerol as Electron Source over Ru Dye Modified TiO ₂ under Visible Light Irradiation	SO* for YP45 16:32-16:35 Room C	Ryota Ogawa, Akito Nishiyama, Kotohiro Nomura (Tokyo Metropolitan Univ.) Synthesis of (Arylimido)niobium(V)-Alkylidene Complexes and Reaction with Internal Alkynes	SO* for YP65 16:32-16:35 Room D	Yuyeol Choi, Eunseo Yun, Sejin Ahn, Kyungsu Na (Chonnam National Univ.) Production of 2,5-Furandicarboxylic acid from Furoic Acid through CO ₂ Utilization	

16:35	16:38	SO* for YP06 16:35-16:38 Room A	Hiromu Akiyama, Koki Saegusa, Hiroshi Sampei, Kyogo Maeda, Toshiyuki Watanabe, Shigeru Kado, Hiromi Nakai, Yasushi Sekine (Waseda Univ., Chiyoda Corp.) Selective Hydrogenation of 4-Chloronitrobenzene Using Strong Metal-Support Interaction	SO* for YP26 16:35-16:38 Room B	Yuri Okuno, Mai Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Photocatalytic CH ₄ Production from Acetic Acid Solution with Visible Light Responsible S-doped g-C ₃ N ₄	SO* for YP46 16:35-16:38 Room C	Mariko Honda, Shunichi Sakai, Shingo Hasegawa, Ken Motokura (Yokohama National Univ.) Silica-immobilized Pd/amine Catalyst for Suzuki-Miyaura Coupling without Base Additives	SO* for YP66 16:35-16:38 Room D	Yuri Ko, Heesu Kim, Seulgi Kim (Yonsei Univ.) Design of Ternary Alloy Nanoparticles on Perovskite Catalysts for Efficient Dry Reforming of Methane
16:38	16:41	SO* for YP07 16:38-16:41 Room A	Seongeun Kim, Hyeonji Yeom, Kyungsu Na (Chonnam National Univ.) Synthesis of Nanosheet MFI and Nanocrystalline BEA Zeolites with Controlled Si/Al ratios	SO* for YP27 16:38-16:41 Room B	Miyu Sato, Mai Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Photocatalytic Reduction of Cr(VI) to Cr(III) in Water with Modified g-C ₃ N ₄	SO* for YP47 16:38-16:41 Room C	Rise Ichikawa, Jaiyen Kanticha, Daisuke Shimoyama, Kotohiro Nomura (Tokyo Metropolitan Univ.) Synthesis of Supported Half-Titanocene Catalysts on Bottlebrush Surface by Living ROMP Method	SO* for YP67 16:38-16:41 Room D	Byung Sun Yoon, Chang Hyun Ko (Chonnam National Univ.) Ni-based Catalyst Screening for Syngas Production via Dry Reforming of Ethane
16:41	16:44	SO* for YP08 16:41-16:44 Room A	Beom Soo Park, Kyung Su Shin, Soon Hee Park, Sung June Cho (Chonnam National Univ.) Mesoporous CHA: Tunable and Affordable Hydrothermal Synthesis	SO* for YP28 16:41-16:44 Room B	Ryuichi Nakada, Jo Onodera, Megumi Okazaki, Kazuhiko Maeda (Inst. of Science Tokyo) Light-intensity Dependence of Visible-light CO ₂ Reduction over Ru(II)-complex/Ag/polymeric Carbon Nitride Hybrid Photocatalysts	SO* for YP48 16:41-16:44 Room C	Nobuki Katayama, Kazuki Tabaru, Tatsuki Nagata, Miku Yamaguchi, Takeyuki Suzuki, Yuan Jing, Takashi Toyao, Zen Maeno, Ken-ichi Shimizu, Takeshi Watanabe, Yasushi Obara (Kansai Univ., Osaka Univ., Hokkaido Univ., Kogakuin Univ., Japan Synchrotron Radiation Research Inst.) Recyclable Colloidal Manganese Nanoparticle Catalysts for Alkene Hydrosilylation with Tertiary Silanes	SO* for YP68 16:41-16:44 Room D	Mio Hayashi, Yukino Ofuchi, Sae Doi, Kenta Mitarai, Ken Kawabe, Yasushi Sekine (Waseda Univ., Yanmar Holdings) Hydrogen Production by NH ₃ Decomposition at Low Temperatures Using the Electric Field Catalysis
16:44	16:47	SO* for YP09 16:44-16:47 Room A	Yumi Tenawa, Mai Furukawa, Hideyuki Katsumata, Ikki Tateishi, Satoshi Kaneco (Mie Univ.) Application of Zeolitic Imidazolate Framework-8 for Solid Phase Extraction of Ametryn and Simetryn	SO* for YP29 16:44-16:47 Room B	Mayu Inose, Shuhei Nakakura, Takashi Hisatomi, Tsuyoshi Takata, Kazunari Domen (Shinshu Univ., Furuoka, Satoshi Kaneco (Mie Univ.) Highly Efficient Photocatalytic Activity of LaTiO ₂ N Synthesized via Flame Spray Pyrolysis by Al Doping	SO* for YP49 16:44-16:47 Room C	Ploychompoo Loekukot, Kanchana Chatchaipaboon, Akito Nishiyama, Kotohiro Nomura (Tokyo Metropolitan Univ.) Development of (Arylimido)-Niobium(V)-Alkylidene Catalysts for Olefin Metathesis Polymerization	SO* for YP69 16:44-16:47 Room D	Nohara Kanon, Seok-Ho Lee, Soohang Lee, Kwan-Young Lee (Korea Univ., Korea Inst. of Science and Technology) Improving Hydrogen Production Efficiency Using Bimetals in Ammonia Oxidative Decomposition Systems
16:47	16:50	SO* for YP10 16:47-16:50 Room A	Chae Kyeong Kim, Jong-Hoon Lee, Dong-Ha Lim (Korea Inst. of Industrial Technology) Mn-Fe-Ce/TiO ₂ Coated on Metallic Monolith for Low-temperature NH ₃ -SCR in Humid Condition	SO* for YP30 16:47-16:50 Room B	Momona Shimodaira, Hideyuki Katsumata, Ikki Tateishi, Mai Furukawa, Satoshi Kaneco (Mie Univ.) Highly Efficient Photocatalytic Activity of Benzothiazole incorporated g-C ₃ N ₄	SO* for YP50 16:47-16:50 Room C	Hibari Hayashi, Kenkichi Taniguchi, Masayuki Shirai (Iwate Univ., National Inst. of Advanced Industrial Science and Technology) Guaiacol Hydrogenation over Supported Platinum-palladium Catalysts in Aqueous Ethanol Solution	SO* for YP70 16:47-16:50 Room D	Cheol Ung Lee, Bonjae Koo, Yasushi Sekine, Jeong Gil Seo (Hanyang Univ.) NH ₃ Decomposition Reaction on the Ni, and Ru-exsolved Catalysts
16:50	16:53	SO* for YP11 16:50-16:53 Room A	Nagisa Hosono, Momoka Okamoto, Keisuke Yasuda (Kobe City College of Technology) Complete Oxidation of Formaldehyde on MnOx-CeO ₂ Catalysts	SO* for YP31 16:50-16:53 Room B	Yujin Yamada, Naoki Washizu, Masaaki Yoshida, Akira Yamakata, Yoshihisa Sakata (Yamaguchi Univ., Okayama Univ.) Influence of the Preparation Condition of Sr-Nb mixed oxide Photocatalysts to the Photocatalytic Performance of the Overall H ₂ O Splitting	SO* for YP51 16:50-16:53 Room C	Daiki Kamiki, Motomu Sakai, Tohru Kamo, Masahiko Matsukata (Waseda Univ.) Degradation Behavior of Polyethylene in Hydrocarbon Solvents Using Solid Acid Catalysts	SO* for YP71 16:50-16:53 Room D	Natsuki Maeda, Chang Yi Kong, Takahiko Moteki (Shizuoka Univ.) Effect of Porous Silica Support for Rh-catalyzed Hydroformylation of Ethylene
16:53	16:56	SO* for YP12 16:53-16:56 Room A	Rina Yamamoto, Hideyuki Katsumata, Ikki Tateishi, Mai Furukawa, Satoshi Kaneco (Mie Univ.) Dye Decolorization by Metal-doped CoOOH Catalyst in the Presence of Peroxymonosulfate	SO* for YP32 16:53-16:56 Room B	Kohei Sawada, Motonori Watanabe, Jun Tae Song, Miki Inada, Tatsumi Ishihara (Kyushu Univ.) Mg doped InGaO ₃ for Photocatalytic Water Splitting	SO* for YP52 16:53-16:56 Room C	Jihyeon Seo, Kyung Seun Yoo, Jaewook Myung, Young-kwon Park (Korea Advanced Inst. of Science and Technology, Kwangwoon Univ.) Catalytic Pyrolysis of HDPE into Light Olefins Using Mesoporous Zeolite-based Catalysts	SO* for YP72 16:53-16:56 Room D	Gyoung Woo Lee, Kwang Young Kim, Geun Bae Rhim, Hyeon Song Lee, Yeon Hee Ro, Bo Young Lim, Min Hye Youn, Kwan-Young Lee, Dong Hyun Chun (Korea Inst. of Energy Research, Korea Univ.) Zn-Promoted Iron-Based Catalysts for Selective Production of Linear α -Olefins from Syngas
16:56	16:59	SO* for YP13 16:56-16:59 Room A	Hoang Phuong Nguyen, Hyeonae Im, Jeong Woo Han, Kyoung-Su Ha (Sogang Univ., Pohang Univ. of Science and Technology, Seoul National Univ.) Effects of Transition Metal Doped TiO ₂ for Low Temperature Dielectric Barrier Discharge Plasma Methane Coupling	SO* for YP33 16:56-16:59 Room B	Gentoku Kido, Hiroto Ueki, Megumi Okazaki, Kazuhiko Maeda (Inst. of Science Tokyo, Kanto Chemical) Morphological Control and Enhanced H ₂ Evolution Activity of Pb ₂ Ti ₂ O ₅ .4F1.2 Photocatalyst	SO* for YP53 16:56-16:59 Room C	Ikuto Nakashita, Tomohiro Fukumasa, Ryusei Hashiguchi, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Reactivity of Cyclooctane on MFI Type Zeolite	SO* for YP73 16:56-16:59 Room D	Yeon Hee Ro, Kwang Young Kim, Geun Bae Rhim, Gyoung Woo Lee, Hyeon Song Lee, Bo Young Lim, Jin Won Park, Dong Hyun Chun, Min Hye Youn (Korea Inst. of Energy Research, Yonsei Univ.) High Liquid Fuel Selectivity on Fischer-Tropsch Synthesis through Bifunctional Catalyst
16:59	17:02	SO* for YP14 16:59-17:02 Room A	Ko Kataoka, Koki Sumiyoshi, Tadaharu Ueda, Shuhei Ogo (Kochi Univ.) Low-Temperature Propane Dehydrogenation over Pt/M-ZrO ₂ Catalysts under an Electric Field	SO* for YP34 16:59-17:02 Room B	Shota Fukuishi, Hideyuki Katsumata, Ikki Tateishi, Mai Furukawa, Satoshi Kaneco (Mie Univ.) Development of Visible Light Hydrogen Production by Cu-doped Zn ₆ In ₂ S ₉ Photocatalyst	SO* for YP54 16:59-17:02 Room C	Changgi Kim, Seungdon Kwon, Jun Hyeok Heo, Kyungsu Na (Chonnam National Univ.) Chloromethane Conversion to Olefins using MgO-Promoted Zeolite Catalysts	SO* for YP74 16:59-17:02 Room D	Hyeon Song Lee, Geun Bae Rhim, Gyoungwoo Lee, Kwang Young Kim, Yeon Hee Ro, Bo Young Lim, Min Hye Youn, Jong Hyeok Park, Dong Hyun Chun (Korea Inst. of Energy Research, Yonsei Univ.) Ferrihydrite-Based Catalysts with Novel Activation Features for Fischer-Tropsch Synthesis
17:02	17:05	SO* for YP15 17:02-17:05 Room A	Yuta Takaoka, Jun Tae Song, Motonori Watanabe, Inada Miki, Tatsumi Ishihara (Kyushu Univ.) CO ₂ Electrolysis in Acid with Ni, Co-coordinated Nitrogen-doped Carbon Electrode	SO* for YP35 17:02-17:05 Room B	Kakeru Harada, Haruka Yamamoto, Megumi Okazaki, Thomas E. Mallouk, Kazuhiko Maeda (Inst. of Science Tokyo, Univ. of Pennsylvania) Effect of Crystal Structure and Specific Surface Area of TiO ₂ on Dye-Sensitized H ₂ Evolution	SO* for YP55 17:02-17:05 Room C	Hanbit Jang, Seungdon Kwon, Hyeogun Yang, Youngjae Yu, Yuyeol Choi, Nagyeong Kim, Kyungsu Na (Chonnam National Univ.) Nanostructured Cobalt Oxide-Based Catalysts for Sustainable Acetic Acid Production from CO ₂ and CH ₄	SO* for YP75 17:02-17:05 Room D	Dae Ho Hong, Mahlet N. Gebresilasse, Masazumi Tamura, Jeong Gil Seo (Hanyang Univ., Osaka Metropolitan Univ.) Catalytic Dehydration of Primary Alcohols to Corresponding LAOs over Ce-modified Al ₂ O ₃
17:05	17:08	SO* for YP16 17:05-17:08 Room A	Hao Chen, Yasuda Shuhei, Yingluo He, Guohui Yang, Noritatsu Tsubaki (Univ. of Toyama) Electron-Redistributed NiCo@NiFe-LDH Core-Shell Heterostructure for Electrochemical Water Splitting	SO* for YP36 17:05-17:08 Room B	Yusei Kobayashi, Hideyuki Katsumata, Ikki Tateishi, Mai Furukawa, Satoshi Kaneco (Mie Univ.) Boosting Hydrogen Production via TpTSN-COF and Cu-doped ZIS Heterojunction Synergy	SO* for YP56 17:05-17:08 Room C	You seok Kang, Monica Louise T. Trivino, Jeong Gil Seo (Hanyang Univ., Technology Innovation Inst.) Electrophoretic Carbon Dioxide Capture over Eutectic Mixture-Promoted Magnesium Oxide	SO* for YP76 17:05-17:08 Room D	Eri Hattori, Ryota Kato, Takuya Matsuda, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Post-synthesis Treatments of YFI Type Zeolite Catalyst for Naphthalene Ring Methylation
17:08	17:11	SO* for YP17 17:08-17:11 Room A	Yuki Fujita, Miyu Watanabe, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Influence of Humidity on Direct Air Electrolysis Using Deliquescent Neutral Salt as Electrolyte	SO* for YP37 17:08-17:11 Room B	Ryuhei Yoshikawa, Ikki Tateishi, Mai Furukawa, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Hydrogen Production Using Tp-PaCl ₂ -COF Photocatalysis under Mild Synthetic Conditions	SO* for YP57 17:08-17:11 Room C	Shota Fukuda, Keita Ikeue (Sanyo-Onoda City Univ.) Reverse Water Gas Shift Reaction over K-Al-Fe-Ni-O Catalyst	SO* for YP77 17:08-17:11 Room D	Kwang Hyun Kim, Ja Hun Kwak (Ulsan National Inst. of Science and Technology) Direct Production of Propylene Glycol from Propylene Using Bifunctional Al-TS-1
17:11	17:14	SO* for YP18 17:11-17:14 Room A	Seokho Lee, Seokhee Jang, Yeonwoo Do, Yiyun Yang, Yunjeong Jang, Kihyun Shin (Hanbat National Univ.) The Impact of Pt Nanoparticle Size Variation on Oxygen Reduction Reaction Performance	SO* for YP38 17:11-17:14 Room B	Shuwei Liu, Xian Zhang, Fumitaka Ishiware, Megumi Okazaki, Akinori Saeki, Kazuhiko Maeda (Inst. of Science Tokyo, Osaka Univ.) Nanoparticulate Precursor Route to Synthesize TiO ₂ :N,F for Oxygen Evolution Under Visible Light	SO* for YP58 17:11-17:14 Room C	HyeonSu Han, Jung-Hyun Park, Joong Jin Han, Hun-Soo Byun (Korea Research Inst. of Chemical Technology, Chonnam National Univ.) Enhanced Stability of Morphology- modified Cu/CeO ₂ Catalysts for RWGS Reaction	SO* for YP78 17:11-17:14 Room D	Yuka Shimizu, Hiroto Tsuyuki, Irmaliza Shafitri Caralin, Marcin Mozdziej, Grzegorz Brus, Shinichi Ookawara, Mikihito Nomura (Shibaura Inst. of Technology) Methanation by Using Distributor Type Membrane Reactor

17:14	17:17	SO* for YP19 17:14-17:17 Room A	Seohee Jang, Yeonwoo Do, Yiyun Yang, Yunjeong Jang, Seokho Lee, Kihyun shin (Hanbat National Univ.) Enhancing the Catalytic Performance of Pt-Based Nanoparticles through Element Substitution and Adsorption Energy Optimization	SO* for YP39 17:14-17:17 Room B	Rin Shirafuji, Mai Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Improvement of Photocatalytic Activity of Bismuth Tungstate Modified with Surfactants	SO* for YP59 17:14-17:17 Room C	Bohuan Ding, Zenghao Wei, Yusei Kamiya, Hiroki Miura, Tetsuya Shishido (Tokyo Metropolitan Univ.) Low-temperature Hydrogenation of Carbon Dioxide to Methanol over Pt/MoOx/TiO2 Catalyst.	SO* for YP79 17:14-17:17 Room D	Natkrit Kongphichphan, Masaki Furukawa, Roi Matsuo, Mikihiro Nomura (Shibaura Inst. of Technology) Effects of Surface Treatments on Catalytic Membrane Reactor for Methanol Conversion	
17:17	17:20	SO* for YP20 17:17-17:20 Room A	Mizuki Nanke, Song Jun Tae, Motonori Watanabe, Miki Inada, Tatsumi Ishihara (Kyushu Univ.) Zeolitic Imidazolate Framework (ZIF)-derived Fe-Co-coordinated Nitrogen-doped Carbon for Cathode Catalyst of Zinc-air Battery	SO* for YP40 17:17-17:20 Room B	Kentaro Yamauchi, Mai Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Effect of Pretreatment of Bismuth Subcarbonate on Dye Decolorization	SO* for YP60 17:17-17:20 Room C	Hiroto Tsuyuki, Yuka Shimizu, Irmariza Shafitri Caralin, Izabela Rzeznicka, Mikihiro Nomura (Shibaura Inst. of Technology) Methanol Synthesis from Carbon Dioxide through Contactor type Membrane Reactor	SO* for YP80 17:17-17:20 Room D	Sejin Ahn, Yuyeol Choi, Eunseo Yun, Kyungsu Na (Chonnam National Univ.) Production of 2,5-Furandicarboxylic Acid (FDCA) from Biomass-Derived Organic Acids via Oxide-Catalyzed Carboxylation with CO2	
17:20	17:23	SO* = short oral presentation							SO* for YP80 17:20-17:23 Room D	Yukino Nakamura, Hiroki Miura, Tetsuya Shishido (Tokyo Metropolitan Univ.) Oxidative C–C bond Cleavage of 1,2-diols by Mn-doped CeO2 Catalysts
17:23	18:20	Poster Session in Poster area in Room B (YP 01-79, GP 01-42)								
18:30	20:30	Young Researchers' Party at Le Port , a restaurant at 1F of the Yonago Convention Center								

5/21 (Wed) Morning

Start	End	Room A		Room B		Room C		Room D	
		Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title
9:00	9:50	PL3 9:00-9:50 Room A	Jong-Ki Jeon (Kongju National University) Heterogeneous Catalysts for Synthesis of Sustainable Aviation Fuel and High-energy-density Fuel	PL3 9:00-9:50 Room A	broadcast to Room B. Questions can only be asked from Room A.				
9:50	10:00	Break 9:50-10:00							
10:00	10:15	YO A13 10:00-10:15 Room A	Jae Hyeon Kwon, Jong Wook Bae (Sungkyunkwan Univ.) NiCe@Al-SiOx Core-shell Catalysts for Dry Reforming of Methane	YO B13 10:00-10:15 Room B	Jeraldine Docil Calangi, Teruoki Tago, Kentaro Kimura (Inst. of Science Tokyo) HMF Production from Glucose over Mg-Al Hydrotalcite-coated ZSM-5	YO C13 10:00-10:15 Room C	Haifan Huang, Bhoi Yagna Prakash, Akira Yamamoto, Gunik Lee, Jun Kumagai, Hisao Yoshida (Kyoto Univ., Nagoya Univ.) Synthesis of Deuterated Compounds Using D2O through Decarboxylation with Pd/TiO2 Photocatalyst	YO D13 10:00-10:15 Room D	Baojian Chen, Yasuda Shuhei, Yingluo He, Guohui Yang, Noritatsu Tsubaki (Univ. of Toyama) Hydrophobic Fe5C2 Catalyzes Methanation Active Sites in CO2 Hydrogenation
10:15	10:30	YO A14 10:15-10:30 Room A	Geon-Hyeong Lee, Hyun-Seok Kang, Jung-Hoon Lee, Dong-Seong Kim, Hyun-Seog Roh, Yeol-Lim Lee (Keimyung Univ., Yonsei Univ.) Boosting the Interplay with Oxygen Storage Capacity and Ni Dispersion by Controlling Precipitant Titration Time	YO B14 10:15-10:30 Room B	Quan Shi, Navya Subray Bhat, Ryota Osuga, Satoshi Suganuma, Hideki Kato, Kiyotaka Nakajima (Hokkaido Univ., Tohoku Univ.) Retro-aldolization of Glucose Using Complex Metal Oxide Catalysts	YO C14 10:15-10:30 Room C	Shusuke Okamoto, Risa Suzuki, Daisuke Nagai (Univ. of Shizuoka) Pyrene Core-Based Photoredox Catalysts for Carbon-Carbon Bond-Forming Reactions	YO D14 10:15-10:30 Room D	Kosuke Watanabe, Takuma Higo, Koki Saegusa, Sakura Matsumoto, Hiroshi Sampei, Yuki Isono, Akira Shimojuku, Hideki Furusawa, Yasushi Sekine (Waseda Univ., JX Advanced Metals Corp.) Utilization of In2O3 Bulk Redox for Ethylene Formation Combined with CO2 Splitting via Chemical Looping
10:30	10:45	YO A15 10:30-10:45 Room A	Beom-Jun Kim, Hyeon-Seok Kang, Geon-Hyeong Lee, Hyun-Seog Roh, Yeol-Lim Lee (Yonsei Univ., Keimyung Univ.) Formation of Anchoring Sites on CeO2-based Support by H2 Heat-treatment before Ni Impregnation	GO B00 10:30-10:50 Room A	Sol Ahn, Peter C. Stair (Chung-Ang Univ., Northwestern Univ.) Synthesis of Stable Ni Catalysts for Dry Reforming of Methane via ABC-Type Atomic Layer Deposition	YO C15 10:30-10:45 Room C	Odilia Galuh Ismoyo Bodro, Aminah Umar, Munawar Khalil, Akhmad Herman Yuwono, Dewangga Oky Bagus Apriandanu, Dicky Annas (Univ. Indonesia, National Research and Innovation Agency) Fabrication of Fe2O3/Bi2WO6 Photoanodes on a Three-dimensional Conductive Substrate for Effective Photoelectrochemical Water Oxidation	YO D15 10:30-10:45 Room D	Ye Ji Kim, Jong Wook Bae (Sungkyunkwan Univ.) Effects of Zn Promoter over Ordered Mesoporous Cobalt-based Catalyst for CO2 Hydrogenation to Hydrocarbons
10:45	10:50	Break 10:45-10:50							
10:50	11:00	YO A16 10:45-11:00 Room A	Yeji Gwon, Dong-Hyun Kim, HyeJeong Kim, Kyubock Lee (Chungnam National Univ.) NiCo/Al2O3 Catalysts for Dry Methane Reforming : Comparison of Active Metal Loading Methods			YO C16 10:45-11:00 Room C	YoungHwa Yun, Changsoo Lee (Korea Inst. of Energy Research) Hollow Bi2Te3 Nanowire Supported Ir for Highly Active and Durable Oxygen Evolution Reaction in PEMWE	YO D16 10:45-11:00 Room D	Hyo-Jin Kim, Kohsuke Mori, Takayoshi Nakano, Hiromi Yamashita (Osaka Univ.) Na2Ti3O7-supported Ru Catalyst for Low Temperature CO2 Methanation and Application to 3D Printed Self-catalytic Reactor
11:00	11:15	YO A17 11:00-11:15 Room A	Naoki Kayama, Keke Kang, Takuma Higo, Clarence Sampson, Yasushi Sekine (Waseda Univ.) Syngas Production via Chemical Looping Dry Reforming of Methane over Ru/La2Ce2O7 at Low Temperature	YO B17 11:00-11:15 Room B	Kyosuke Yamada, Yutaka Amao (Osaka Metropolitan Univ.) Synthesis of L-alanine from Urea and Pyruvate by Visible-light Irradiation Using Photo/biocatalyst	YO C17 11:00-11:15 Room C	Jinho Hyun, Chanho Pak (Gwangju Inst. of Science and technology) Investigation of High Entropy Alloy Nanoparticles Assisted by Resonance Acoustic Mixing for Oxygen Reduction Reaction	YO D17 11:00-11:15 Room D	Kio Kawata, Saki Maeda, Shoji Iguchi, Shimpei Naniwa, Masamu Nishimoto, Kentaro Teramura (Kyoto Univ., Sumitomo Metal Mining) Photocatalytic Conversion of CO2 Using Various Kinds of TiO2 Modified with Ag and Co Dual Cocatalyst by Ultrasonic Reduction Method
11:15	11:25	Break 11:15-11:25							
11:25	11:40	YO A18 11:25-11:40 Room A	Hyoseong Woo, Seorin Ji, Kwan-Young Lee (Korea Univ., Korea Inst. of Science and Technology) Optimal Thickness of Sandwiched SiO2@Ni@ZrO2 Core-shell Catalysts for Combined Steam and Dry Reforming of Methane	YO B18 11:25-11:40 Room B	Nao Arai, Nirupama Sheet, Ryota Osuga, Satoshi Suganuma, Hayato Tsuchiya, Chaoqi Chen, Satoshi Muratsugu, Mizuki Tada, Toru Murayama, Kiyotaka Nakajima (Hokkaido Univ., Nagoya Univ.) Oxidative Esterification of 5-Formylfuran-2-carboxylate Using Highly Active Au/CeO2 Catalyst	YO C18 11:25-11:40 Room C	Jo Onodera, Xian Zhang, Toshiya Tanaka, Ryuichi Nakada, Megumi Okazaki, Kazuhiko Maeda (Inst. of Science Tokyo) Oxygen-Tolerance Photocatalytic CO2 Reduction in Deep Eutectic Solvent	YO D18 11:25-11:40 Room D	Hyogeun Yang, Seungdon Kwon, Yuyeol Choi, Hanbit Jang, Woosung Leem, Jun Hyeok Heo, Changgi Kim, Taekyong Song, Kyungsu Na (Chonnam National Univ.) Effect of Activation Sequence on the Selectivity of Oxygen Compound in CO2 and CH4 Sequential Reaction
11:40	11:55	YO A19 11:40-11:55 Room A	Jungyeop Lee, Seyeon Won, Yehee Kim, Sooyeon Hong, Do Heui Kim, Jong-Ki Jeon (Kongju National Univ.) Optimization of the Manufacturing Process of NiO-Mo/HZSM-5 Catalysts for Methane Dehydroaromatization	YO B19 11:40-11:55 Room B	Mahlet N. Gebresillase, Dae Ho Hong, Jeong Gil Seo (Hanyang Univ.) Sequential Hydrogenation and Guerbet Reaction of Bio-carboxylic Acids to Plasticizer Alcohols (C8-C12) over Dual-Functional Heterogeneous Catalysts	YO C19 11:40-11:55 Room C	Preetam Dash, Akira Yamamoto, Hisao Yoshida (Kyoto Univ.) Photocatalytic Methane Coupling over Pd-Bi/TiO2 on a Flow Reactor	YO D19 11:40-11:55 Room D	Tae Oh Son, Jae Min Park, Do Heui Kim (Seoul National Univ.) Ruthenium Nanocluster Supported on Ceria for Catalytic Ammonia Decomposition
11:55	12:10	YO A20 11:55-12:10 Room A	Masanao Yamamoto, Keiju Wachi, Takeshi Aihara, Michikazu Hara, Keigo Kamata (Inst. of Science Tokyo) Liquid-Phase Oxidation of Isobutane Catalyzed by High-valent Iron-based Perovskite Oxides	YO B20 11:55-12:10 Room B	Xinyu Wei, Toshiya Tsunakawa, Mingming Peng, Kenji Kamiya, Eika W. Qian (Tokyo Univ. of Agriculture and Technology) Effect of Introduced Mesopore in TON Zeolite on Isomerization of Oleic Acid	YO C20 11:55-12:10 Room C	Tongyan Zhang, Masanori Yamamoto, Hajime Arai, Ichiro Yamanaka (Tokyo Inst. of Technology) Synthesis of Formic Acid by the SPE Electrolysis of CO2 and water	YO D20 11:55-12:10 Room D	Jihyeon Seo, Gwang Hoon Rhee (Korea Advanced Inst. of Science and Technology, Univ. of Seoul) H2 Production from Steam Gasification of Wood-plastic Composite over Ni-loaded Perovskite Catalysts
12:10	12:25	YO A21 12:10-12:25 Room A	Rui Xi, Kentaro Yonesato, Takafumi Yatabe, Soichi Kikkawa, Seiji Yamazoe, Kosuke Suzuki, Kazuya Yamaguchi (The Univ. of Tokyo, Tokyo Metropolitan Univ.) Palladium Nanocluster Catalyst within Ring-Shaped Polyoxometalate for Selective Hydrogenation	YO B21 12:10-12:25 Room B	Yeon Jeong Yu, Su-Ji Kim, Gwan-Joong Park, Sung-Bin Choi, Chang Hyun Ko (Chonnam National Univ.) Direct Reforming of Biogas into Syngas Using the Coke-resistant Synthesized Pellet Catalyst	YO C21 12:10-12:25 Room C	Yuhei Kojima, Ryuji Otuki, Shion Yoneya, Shoji Iguchi, Masanori Yamamoto, Ichiro Yamanaka (Inst. of Science Tokyo, Kyoto Univ.) Direct Synthesis of H2O2 aq. by SPE Electrolysis with Water and O2 under Pressure Conditions	YO D21 12:10-12:25 Room D	Seungdon Kwon, Changgi Kim, Jun Hyeok Heo, Kyungsu Na (Chonnam National Univ.) Elucidating Enhanced CH3Cl Conversion to Light Olefins through Balanced Acid-Base Interactions
12:25	12:40	YO A22 12:25-12:40 Room A	Yuma Hirayama, Sho Yamaguchi, Takato Mitsudome, Tomoo Mizugaki (Osaka Univ.) Low Temperature Synthesis of Metastable ε-Iron Carbide with Unique Catalytic Properties	YO B22 12:25-12:40 Room B	Jay N. Mishra, Prabhakar Singh, Priyanka A. Jha, Pardeep K. Jha (Indian Inst. of Technology Varanasi) Proton Transport and Electrocatalytic Behavior of ZnO/DMEA/H2PO4 based Proton Exchange Membranes	YO C22 12:25-12:40 Room C	Seongmin Park, Hae In Lee, Hee Soo Kim, Joon-Young Choi, Dong-Ha Lim (Korea Inst. of Industrial Technology, Pusan National Univ.) Overpotential and Bubble Release Varying with Flow Path Design and Operating Flow Rate in a PEMWE	YO D22 12:25-12:40 Room D	Sekai Narita, Jiang Li, Masayoshi Miyazaki, Hideo Hosono, Masaaki Kitano (Inst. of Science Tokyo) Synthesis of Urea Derivatives Using Activated Oxygen Species on Surface Se Layers of Bi2Se3
12:40	13:40	Break 12:40-13:40							

5/21 (Wed) Afternoon

Start	End	Room A		Room B		Room C		Room D	
		Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title
13:40	13:55	KN1 13:40-14:20 Room A	Maiko Nishibori (Tohoku University) The Potential Impact of Nano Terasu on Materials Chemistry	YO B23 13:40-13:55 Room B	Toshiya Tsunakawa, Xinyu Wei, Mingming Peng, Kenji Kamiya, Eika W. Qian (Tokyo Univ. of Agriculture and Technology) Mg Modified Zeolite-Supported Pt-Based Catalysts in Hydrotreating Fatty Acid Methyl Ester	YO C23 13:40-13:55 Room C	Mir Ferdous Chowdhury, Takuya Okazaki, Fumiaki Amano (Tokyo Metropolitan Univ.) Effect of pH on PEC Degradation of Organic Dye with Reduced TNTA		
13:55	14:10			YO B24 13:55-14:10 Room B	Kensei Miura, Motomu Sakai, Tohru Kamo, Masahiko Matsukata (Waseda Univ.) Relationship between Properties and Activity of Beta in PP Decomposition	YO C24 13:55-14:10 Room C	Aminah Umar, Wafiq Azizah, Almar Atus Sholihah Farhan, Ridla Bakri, Munawar Khalil, Dewangga Oky Bagus Apriandanu (Univ. Indonesia) Effect of M Metal (M = Ag and Au) on CuBi2O4 for Enhanced Visible-light-driven Photocatalytic Degradation.		
14:10	14:20								
14:20	14:25	KN2 14:20-15:00 Room A	Dong Hyun Chun (Korea Institute of Energy Research) Fischer-Tropsch Synthesis and Catalysis for Sustainable Production of Liquid Fuels and Chemicals	YO B25 14:10-14:25 Room B	Jongjin Choi, Haoxiang Zhang, Youn-Sang Bae, Do-Young Hong (Korea Research Inst. of Chemical Technology) Regenerable Spinel Catalyst for Sustainable Glycolysis of Post-consumer PET into BHET	YO C25 14:10-14:25 Room C	Hirotou Ueki, Shuji Anabuki, Megumi Okazaki, Kenta Aihara, Fumitaka Ishiwari, Akinori Saeki, Akira Yamakata, Kazuhiko Maeda (Inst. of Science Tokyo, Okayama Univ., Osaka Univ.) Tuning Particle Size of Pb-Ti Oxide Photocatalyst for the Enhancement of Activity		
14:25	14:40			YO B26 14:25-14:40 Room B	Hyeokjoon June, Jeong Woo Han (Seoul National Univ.) Computational Design of Highly Selective Catalyst for PET to BTX Production via Hydrogenolysis	YO C26 14:25-14:40 Room C	Jiawei Hu, Shinsuke Nagata, Hideo Notsu, Kan Hatakeyama-Sato, Teruaki Hayakawa, Yuta Nabae (Inst. of Science Tokyo) Enhanced Durability and Activity of Pt/C Catalysts Modified with H2HAM-Derived 14-Membered Aromatic Ring Ligands		
14:40	14:55			YO B27 14:40-14:55 Room B	Kenkichi Taniguchi, Osamu Sato, Aritomo Yamaguchi, Masayuki Shirai (National Institute of Advanced Industrial Science and Technology, Iwate Univ.) Hydrolysis of Polyethylene Terephthalate for Chemical Recycling in High-temperature Water	YO C27 14:40-14:55 Room C	Hwakyong Seo, DongHwan Oh, Chang Hyun Kim, WooChul Jung, Jeong Woo Han (Seoul National Univ., Korea Advanced Inst. of Science and Technology) Assessing Nickel Re-dispersion and 2e- Oxygen Reduction Reaction Activity in Ni@TiN Catalysts		
14:55	15:00								
15:00	15:10	Break 15:00-15:10							
15:10	15:25	YO A23 15:10-15:25 Room A	Kaito Sonoda, Masato Sawada, Hiroto Toyoda, Hiroaki Onozuka, Susumu Tsutsuminai, Junko N. Kondo, Toshiyuki Yokoi (Inst. of Science Tokyo, Mitsubishi Chemical Corp.) Direct Synthesis of CON-type Zeolite SSZ-33 and Its Physicochemical and Catalytic properties	YO B28 15:10-15:25 Room B	Haoxiang Zhang, Jong In Choi, Do-Young Hong (Korea Research Inst. of Chemical Technology) Solvent-free Plastic Upcycling: Selectively Hydrogenolysis PET into Benzene Toluene and Xylene over Multi-functional Catalyst	YO C28 15:10-15:25 Room C	Zhiqing Feng, Soutaro Honda, Keisuke Awaya, Masato Machida, Makoto Moriya, Yuta Nabae, Junya Ohyama (Kumamoto Univ., Shizuoka Univ., Inst. of Science Tokyo) Development of Cobalt-Based Electro-catalysts for Oxygen Reduction and Hydrogen Evolution Using a Fourteen-Membered Ring Ligand	YO D23 15:10-15:25 Room D	Na Yeon Kim, Deok Woo Kim, Jiyull Kim, Ji Bong Joo (Konkuk Univ.) Catalytic Methane Decomposition Reaction: Study on Waste-derived Ni-supported Red Mud Catalyst
15:25	15:40	YO A24 15:25-15:40 Room A	Sungjoon Kweon, Yunhye Cho, Trinh Thuan Khiet Nguyen, Hyunwoo Shin, Sang Woo Byun, Sung Bong Kang, Min Bum Park (Incheon National Univ., Gwangju Inst. of Science and Technology) Exploration of Active Copper Species in Copper Containing MWW-type Zeolitic Catalysts for CO Oxidation	YO B29 15:25-15:40 Room B	Zichen Peng, S. M. A. Hakim Siddiki, Masato Akatsuka, Pengru Chen, Yusuke Kita, Masazumi Tamura (Osaka Metropolitan Univ.) Synthesis of Valuable Chemicals by Hydrogenolysis of Polyethylenes with Heterogeneous Ru/La2O3-CeO2	YO C29 15:25-15:40 Room C	Yeonwoo Do, Yiyun Yang, Yunjeong Jang, Seokho Lee, Seohee Jang, Kihyun Shin (Hanbat National Univ.) Adsorption Energy Control and Structural Optimization of Pd-Based Catalysts for Fuel Cells on (100)	YO D24 15:25-15:40 Room D	Sung-Bin Choi, DaBin Kang, Su-Ji Kim, Gwan-Joong Park, Yongji Kim, Woohyun Kim, Chang Hyun Ko (Chonnam National Univ., Korea Inst. of Energy Research) Tailoring Ni Particle Size to Improve Catalytic Methane Decomposition on La ₂ Ce ₂ O ₇ Supports
15:40	15:55	YO A25 15:40-15:55 Room A	Susung Lee, Youngwan Park, Yaejun Baik, Jeong-Chul Kim, Yongjin Lee, Minkee Choi (Korea Advanced Inst. of Science and Technology) Hierarchical LTL Zeolite as an Eco-friendly Solid Acid Catalyst for Replacing HCl in the Production of Polyurethane Intermediates	YO B30 15:40-15:55 Room B	Haneul Shim, Sumin Pyo, Jong Hun Kang, Young-Kwon Park (Seoul National Univ., Univ. of Seoul) Catalytic Pyrolysis of Polyhydroxybutyrate(PHB) with ZSM-5 Catalysts for Aromatic Hydrocarbon Production	YO C30 15:40-15:55 Room C	WonJun Lee, Sewoong Lee, WooChul Jung, Jeong Woo Han (Seoul National Univ.) Highly Active, Stable Ru-free Anode for Direct Ammonia Solid Oxide Fuel Cells	YO D25 15:40-15:55 Room D	Shukan Murakami, Hiroyasu Fujitsuka, Motoaki Kawase (Kyoto Univ.) Hydrogen Production from Aqueous Formic Acid Solution Using Pt/Cs with Different Preparation Methods
15:55	16:10	YO A26 15:55-16:10 Room A	Hiroto Toyoda, Kosei Kawakami, Kengo Nakamura, Yong Wang, Toru Setoyama, Junko N. Kondo, Toshiyuki Yokoi (Inst. of Science Tokyo, iPEACE223) Effects of Cation Species on Crystallization Process of SSZ-13 and Its Catalytic Performance	YO B31 15:55-16:10 Room B	Shinichiro Matsushita, Ryusei Hashiguchi, Tomohiro Fukumasa, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Effect of Porous Property of Zeolite Catalyst on Polyolefin Cracking	YO C31 15:55-16:10 Room C	Yejin Song, Taek-Seung Kim, Jeong Young Park (Korea Advanced Institute of Science and Technology, Korea Institute of Energy Research) Reaction-Driven Interfaces and Dynamic Structural Reversibility in Pt-Based Bimetallic Nanoparticles	YO D26 15:55-16:10 Room D	Kiheon Sung, Jeong Woo Han (Seoul National Univ.) Systematic Design of Highly Efficient Catalysts for Hydrogen Release in MCH/TOL-Based LOHC System
16:10	16:25	YO A27 16:10-16:25 Room A	Gwang-Jin Na, Jongha Hwang, Ryong Ryoo (Korea Inst. of Energy Technology) Enhanced Pt and Ni Dispersion on Ammonia-Treated Silicalite-1 for Toluene Hydrogenation	YO B32 16:10-16:25 Room B	Seung Hun Baek, Hyang-Dong Kim, Sang Jun Park, Juyoung Seo, Jihyeon Sin, Jung Min Sohn (Jeonbuk National Univ.) A Study on the Sn doped SrFeO _{3-δ} Oxygen Carriers for Chemical Looping Oxidative Dehydrogenation	YO C32 16:10-16:25 Room C	Miho Nishida, Takashi Nakazono, Yusuke Yamada, (Osaka Metropolitan Univ.) Sintering Suppression of Catalytic Nanoparticles by Immobilization in SiO ₂ Nanoparticle Assemblies	YO D27 16:10-16:25 Room D	Yaejun Baik, Minkee Choi (Korea Advanced Inst. of Science and Technology) Splitting of Hydrogen Atoms into Proton-Electron Pairs at BaO-Ru Interfaces for Accelerating Ammonia Synthesis under Mild Conditions
16:25	16:40	YO A28 16:25-16:40 Room A	Jonghyun Jeon, Harim Weon, Hee Hwan Kim, Shaoyan Jin, Kyoung-Su Ha (Sogang Univ.) Adsorption/Desorption Behaviors of Acetylene and Benzene in Aromatization using Thin MCM-22 Catalysts	YO B33 16:25-16:40 Room B	Koki Saegusa, Hiroshi Sampei, Kenshin Chishima, Takuma Higo, Makoto Nakamura, Koichi Kimura, Yasushi Sekine (Waseda Univ., Fujitsu) Quantum Annealing Boosts Prediction of High-coverage Adsorption on the Catalyst Surface	YO C33 16:25-16:40 Room C	Deok Woo Kim, Dong Seop Choi, Na Yeon Kim, Ji Bong Joo (Konkuk Univ.) A Study for Leaching Method to Remove Vanadium from FCC Catalyst	YO D28 16:25-16:40 Room D	Jiseok Park, Wo Bin Bae, Sung Bong Kang (Gwangju Inst. of Science and Technology, Rowan Univ.) Enhancing CH ₄ Oxidation by Modifying Pt Sites on TiO ₂ via Nitric Acid Pretreatment
16:40	16:50	Break 16:40-16:50							

16:50	17:10	GO A01 16:50-17:10 Room A	Xian Zhang, Osamu Ishitani, Kazuhiko Maeda (Inst. of Science Tokyo, Hiroshima Univ.) Hybrid System for CO2 Reduction Comprising of Layered Perovskite Oxynitride K ₂ LaTa ₂ O ₆ N and Ru(II)-Ru(II) Supramolecular Photocatalyst	GO B01 16:50-17:10 Room B	Kenji Wada, Bo Zhao, Ryohsuke Kurihara, Qi Feng, Shinobu Uemura (Kagawa Univ.) Synthesis of N-containing Chemicals from Nitro Compounds and Alcohols in the Presence of Ceria Catalysts	GO C01 16:50-17:10 Room C	Taeun Kwon, Ki Hyuk Kang, Wangyun Won, Insoo Ro (Seoul National Univ. of Science and Technology, Korea Univ., Korea Research Institute of Chemical Technology) Exploring Interactions: How Hydrophilic and Hydrophobic Zeolites Respond to Water in Polyethylene Hydrocracking	GO D01 16:50-17:10 Room D	H. Daimon, N. Kuroda, K. Yamada, J. Manabe, Y. Oka, M. Kim, H. Inoue, M. Inaba (Doshisha Univ.) Single Cell performance of Pt Catalyst Supported on Mesoporous Carbon
17:10	17:30	GO A02 17:10-17:30 Room A	Si Woo Lee (Inha Univ.) Unraveling Surface Structures of Ga-promoted Transition Metal Catalysts in CO ₂ Hydrogenation	GO B02 17:10-17:30 Room B	Takafumi Yatabe, Wei-Chen Lin, Tomohiro Yabe, Kazuya Yamaguchi (The Univ. of Tokyo) Azobenzene Synthesis from Non-Aromatic Compounds via Catalytic Dehydrogenative Aromatization	GO C02 17:10-17:30 Room C	Ari Adrianto, Sirirat Jitkarnka (Chulalongkorn Univ., Center of Excellence on Petrochemical and Materials Technology) Partial Substitution of Manganese in Cu _{1.7} [M]O ₃ AlO on Glycerol Transformation to 1,2-Propanediol	GO D02 17:10-17:30 Room D	Masaru Kato, Yuta Kato, Yu Zhuang, Shun Saito, Ichizo Yagi (Hokkaido Univ.) Durability and Activity Improvement of PtNi nanowires for Oxygen Reduction Using Potential Cycling and Nanospace
17:30	17:50	GO A03 17:30-17:50 Room A	Tomotaka Tatsumichi, Norikazu Namiki, Zen Maeno (Kogakuin Univ.) Development of Ni-La Based Dual Functional Materials for Direct Capture of Low-concentration CO ₂ and Selective Methanation	GO B03 17:30-17:50 Room B	Shingo Hasegawa, Koji Harano, Ken Motokura (Yokohama National Univ., National Institute of Material Science) Oxidative Coupling of Arenes and Carboxylic Acids Catalyzed by RhRu Bimetallic Oxide Cluster	GO C03 17:30-17:50 Room C	Shih-Yuan Chen, Takehisa Mochizuki (National Inst. of Advanced Industrial Science and Technology) Enhanced Catalytic Performance of Functional Porous Solid Acids for the Conversion of Glucose to 5-Hydroxymethylfurfural	GO D03 17:30-17:50 Room D	Shinya Higashimoto, Yuki Judai (Osaka Inst. of Technology) Selective Photocatalytic Hydroxylation of Benzene to Phenol on the Copper-oxide Deposited WO ₃ Visible-light Responsive Photocatalyst
17:50	18:10	GO A04 17:50-18:10 Room A	Yutaka Amao, Yu Kita (Osaka Metropolitan Univ.) Biocatalysts And Photocatalytic Dye Hybrid System For Visible-light Driven 3-Hydroxybutyrate Production From CO ₂ Gas And Acetone	GO B04 17:50-18:10 Room B	Yasushi Obora, Kazuki Tabaru, Kazuyuki Torii (Kansai Univ.) Palladium-catalyzed Oxidative Functionalization of 1,3-dienes with Amines/alcohols in the Presence of Disilanes	GO C04 17:50-18:10 Room C	Ryota Osuga, Navya Subray Bhat, Quan Shi, Mizuho Yabushita, Satoshi Sukanuma, Emiel J. M. Hensen, Kiyotaka Nakajima (Hokkaido Univ.) Catalytic in-situ Acetalization Strategy for Retro-aldolization of Glucose	GO D04 17:50-18:10 Room D	Megumi Okazaki, Yasuomi Yamazaki, Kazuhiko Maeda (Inst. of Science Tokyo, The Univ. of Tokyo) Discovery of "Reaction Potential" in Metal Oxide Nanoparticles Working as Water Oxidation Catalyst
18:10	18:30	Walk to banquet venue 18:10-18:30							
18:30	20:30	Banquet at ANA Crowne Plaza Yonago 18:30-20:30							

5/22 (Thu) Morning

Start	End	Room A		Room B		Room C		Room D	
		Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title
9:00	9:50	PL4 9:00-9:50 Room A	Atsushi Satsuma (Nagoya University) Activity Controlling Factors of Metal Nano Particles - Size and Morphology, Support Effect, and Competitive Adsorption	PL4 9:00-9:50 Room A	broadcast to Room B. Questions can only be asked from Room A.				
9:50	10:00	Break 9:50-10:00							
10:00	10:20	GO A05 10:00-10:20 Room A	Shimpei Naniwa, Shintaro Oka, Shoji Iguchi, Kentaro Teramura (Kyoto Univ.) MnOx-modified Pd Catalysts for Selective Reverse Water-Gas Shift Reaction	GO B05 10:00-10:20 Room B	Junya Ohyama, Hiroki Iwai, Fumiya Nishino, Tomokazu Yamamoto, Masaki Kudo, Masayuki Tsushida, Masato Machida (Kumamoto Univ., Kyushu Univ.) Atomically Resolved 3D Structural Analysis of A Supported Pd Nanoparticle Using Scanning-Transmission Electron Microscopy-Based Tomography	GO C05 10:00-10:20 Room C	Vishnu Murali, Jungho Jae (Pusan National Univ.) Selective BTX Production from Waste PET via Ru/TiO ₂ -Catalyzed Hydrodeoxygenation in a Biphasic System	GO D05 10:00-10:20 Room D	Hiromi Yamashita, Yifan Zhao, Yoshifumi Kondo, Yasutaka Kuwahara, Kohsuke Mori (The Univ. of Osaka) Design of Metal-Organic Frameworks and Reaction Systems for Efficient Photocatalytic H ₂ O ₂ Production
10:20	10:40	GO A06 10:20-10:40 Room A	Hanyoung Park, Seoin Park, Nam Sun Kim, Yong-Tae Kim, Ho-Jeong Chae, Tae-Wan Kim (Korea Research Inst. of Chemical Technology, Inha Univ.) Tandem Catalysts of Metal-Modified ZSM-5 with Na-promoted Zinc Ferrite for CO ₂ Hydrogenation to Aromatics	GO B06 10:20-10:40 Room B	Masayuki Shirai, Koya San-yoshi, Satsuki Abe, Takeshi Kubota (Iwate Univ., Shimane Univ.) Formation of Two-dimensional Sulfide Nanosheets between Graphite Layers in Aqueous Ethanol Solution	GO C06 10:20-10:40 Room C	Kiyoyuki Yamazaki, Rumiko Samata, Norihito Hiyoshi, Osamu Sato, Aritomo Yamaguchi (National Inst. of Advanced Industrial Science and Technology) Production of Phenols from Cyclic Alcohols in High-temperature Water with Charcoal-supported Pt Catalyst	GO D06 10:20-10:40 Room D	Kexin Zou, Akira Yamamoto, Hisao Yoshida (Kyoto Univ.) Mechanisms of Photocatalytic C-N Coupling of Aniline with Platinum-loaded Titanium Oxide Photocatalyst
10:40	11:00	GO A07 10:40-11:00 Room A	Shohei Tada, Yamato Mori, Tsubasa Shigetate, Ryuji Kikuchi (Hokkaido Univ.) Development of Cu/ZnO/ZrO ₂ Catalysts for CO ₂ -to-methanol Hydrogenation	GO B07 10:40-11:00 Room B	Su-Jin Ryu, Ho-Ryong Park, Woo-Jin Na, Beom-Jun Kim, Hyun-Seog Roh, Hea-Kyung Park (Yonsei Univ., Hanseo Univ.) Impact of Residual Vanadium on the Hydrodesulfurization Performance of Remanufactured Catalysts			GO D07 10:40-11:00 Room D	Chen Gu, Yugo Miseki, Tsuyoshi Takata, Joji Yoshimura, Yiwen Ma, Takashi Hisatomi, Nobuyuki Zettsu, Kazunari Domen (Shinshu Univ., National Inst. of Advanced Industrial Science and Technology, The Univ. of Tokyo, Kyung Hee Univ.) Scalable and Efficient Water-splitting Photocatalyst Sheets based on Carbon-based Conductors
11:00	11:20	GO A08 11:00-11:20 Room A	Jeong Gil Seo, You Seok Kang, Nomer C. Ariola Jr., Yasushi Sekine (Hanyang Univ., Waseda Univ.) Reactive Capture and Conversion of CO ₂ under Electric Field	GO B08 11:00-11:20 Room B	Takashi Yamamoto, Taketo Tone, Hirotaka Mine (Tokushima Univ.) Calcination Temperature Dependency of ZrO ₂ Support of Cu-based Catalyst on the Selectivity of Ethanol Conversion	GO C08 11:00-11:20 Room C	Hankyeul Kang, Tae Hoon Lee, Jong Hun Kang (Seoul National Univ.) Coupling Property-optimized Ru*/BEA Catalysts with Advanced Open Batch Distillation Reactors for Waste Polyethylene Hydrocracking	GO D08 11:00-11:20 Room D	Shunya Yoshino, Qingshan LIU, Kurutach Tanya, Makoto Kobayashi, Hideki Kato (Tohoku Univ.) Surface Modification of CuLi _{1/3} Ti _{2/3} O ₂ as a H ₂ -evolving Photocatalyst for Redox Mediated Z-scheme Water Splitting under Visible Light
11:20	11:30	Break 11:20-11:30							
11:30	11:50	GO A09 11:30-11:50 Room A	Kaoru Takeishi, Kosuke Masumoto (Shizuoka Univ.) Direct Synthesis of Dimethyl Ether from Carbon Dioxide by Cu-Zn-Ga-based Alumina Catalysts Prepared Using Sol-Gel Method	GO B09 11:30-11:50 Room B	Hiroyuki Imai, Akihiro Oshima, Ryu Noguchi (The Univ. of Kitakyushu) Dehydrogenation of C ₅ Hydrocarbons over Metal-containing Zeolite	GO C09 11:30-11:50 Room C	Masahiko Matsukata, Takumi Omata, Kensei Miura, Tohru Kamo, Motomu Sakai (Waseda Univ.) Catalytic Decomposition of Waste Plastics Using Zeolite-A Comparison with Decomposition of Pure Polymers	GO D09 11:30-11:50 Room D	Seok-Ho Lee, Jun Hong Lee, Jun Ki Yoo, Eun Jun Lee, Pyungsoon Kim, Jihui Seo, Jaeyong Lee, Jihoon Jang, Kwan-Young Lee (Korea Univ., Korea Inst. of Science and Technology, Hyundai Motor Company Uiwang R&D Center) The Role of Nb in Rh/Al ₂ O ₃ Catalysts for Monobenzyltoluene Hydrogenation in Low-Purity Hydrogen Streams
11:50	12:10	GO A10 11:50-12:10 Room A	Kwangjin An (Ulsan National Inst. of Science and Technology) Catalytic CO ₂ Hydrogenation for Sustainable Fuel Production	GO B10 11:50-12:10 Room B	Chinh Hoang Tran, Ha-Kyung Choi, Won Seok Jae, Il Kim (Pusan National Univ.) One-pot Hydrothermal Synthesis of Double Metal Cyanide Catalysts for the Production of Polyols	GO C10 11:50-12:10 Room C	Hyunji Jeong, Jungho Jae (Pusan National Univ.) Hydrocracking of Polypropylene Using Metal-Loaded 2D Zeolite Catalysts		
12:10	12:30	GO A11 12:10-12:30 Room A	Shuhei Ogo, Keidai Tomozawa, Rin Suwa, Nao Tsunooji, Masahiro Sadakane, Tadaharu Ueda (Kochi Univ., Hiroshima Univ.) Low-Temperature Direct Conversion of Selectively Captured CO ₂ on Pt-Based Catalysts under Electric Field	GO B11 12:10-12:30 Room B	Weizhou Sun, Masanori Nagao, Miyu Sato, Yuichi Kamiya, Ryoichi Otomo (Hokkaido Univ.) Unique Redox Metal-Support Interaction of CoOx/Ti ₂ O ₃ to Enhance Catalytic Performance for Hydrodeoxygenation of Anisole	GO C11 12:10-12:30 Room C	Swathi P N, Jungho Jae (Pusan National Univ.) Sustainable Polyurethane Recycling: Efficient Conversion to Value Added Chemicals	GO D11 12:10-12:30 Room D	Ga-Ram Hong, Kyoung-Jin Kim, Bong-Gyeong Shin, Hyun-Seog Roh (Yonsei Univ.) Effects of Pretreatment Atmospheres on Metal-Support Interactions in Sulfur-Tolerance Catalyst for WGSR
12:30	13:30	Break 12:30-13:30							

5/22 (Thu) Afternoon

Start	End	Room A		Room B		Room C		Room D	
		Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title	Time No. Venue	Author(s) (Affiliation) Title
13:30	13:50	KN3 13:30-14:10 Room A	Kazuya Yamaguchi (The University of Tokyo) Environmentally-Friendly Dehydrogenative Oxidation Reactions by Multi-Functional Heterogeneous Catalysts	GO B12 13:30-13:50 Room B	Keisuke Awaya, Aoi Miyazaki, Mana Furukubo, Masayuki Tsushida, Junya Ohyama, Shintaro Ida, Masato Machida (Kumamoto Univ.) Selective Catalytic Reduction of NOx by H2 over Pt Supported on Transition Metal Phosphate Nanosheet	GO C12 13:30-13:50 Room C	Jeong-Myeong Ha, Jina Eun, Jisong Kang, Yerin Lee, Jeonghun Kim, Hyungchul Ham, Jongsuk Yoo, Chun-Jae Yoo, Seongmin Jin (Korea Inst. of Science and Technology) Catalysts for the Hydrodeoxygenation of Biomass- and Plastic-Derivatives		
13:50	14:10			GO B13 13:50-14:10 Room B	Inhak Song, Konstantin Khivantsev, János Szanyi (Korea Univ., Pacific Northwest National Laboratory) Understanding the Interplay between NO and H2O in the Redox Dynamics of Pd in FER zeolite	GO C13 13:50-14:10 Room C	Okkyun Seo, Yasumasa Takagi, Satoshi Yasuno, Tappei Nishihara, Dongshuang Wu (Japan Synchrotron Radiation Research Inst.) Investigating the Reaction Process of 2D-Mo2S3 during Water Splitting by AP-HAXPES		
14:10	14:30	KN4 14:10-14:50 Room A	Hyunjoon Lee (Korea Advanced Institute of Science and Technology) Developing Catalysts for Membrane-Electrode-Assembly Setup of Fuel Cells and Water Electrolyzers	GO B14 14:10-14:30 Room B	Yuichi Kamiya, Kana Sato, Sora Momma, Yunong Song, Ryoichi Otomo (Hokkaido Univ.) Rapid N2O Decomposition with H2 over Supported Iridium Catalysts at Room Temperature	GO C14 14:10-14:30 Room C	Izabela Rzeznicka, Hideyuki Horino, Mariusz Grabda (Shibaura Inst. of Technology) Pine Kraft Lignin-derived Porous Carbons for Electrocatalytic Applications		
14:30	14:50			GO B15 14:30-14:50 Room B	Takuma Higo, Ayaka Shigemoto, Chihiro Ukai, Yuki Inoda, Kenta Mitarai, Yasushi Sekine (Waseda Univ., Yanmar Holdings) Low-temperature N2O Decomposition on Rh2O3 Catalyst in an Electric-field	GO C15 14:30-14:50 Room C	Jeong-Chul Kim, Shin Hyuk Kim, Joo-II Park, Doyeon Lee, Kanghee Cho (Hanbat National Univ., Inha Univ.) Impact of MFI Zeolite Mesoporosity and Surface Acidity on Liquid Fuel Production in Fischer-Tropsch Synthesis		
14:50	15:00	Break 14:50-15:00							
15:00	15:20	GO A12 15:00-15:20 Room A	Yosuke Kageshima, Hiromu Kumagai, Katsuya Teshima, Kazunari Domen, Hiromasa Nishikiori (Shinshu Univ.) Band-Edge Pinning of Semiconductor Photoanodes during Oxygen Evolution in Buffered Electrolytes	GO B16 15:00-15:20 Room B	Yoshihiro Kubota, Satoshi Inagaki, Shengxiang Zhang (Yokohama National Univ.) Remarkably Facilitated Synthesis of MSE-type Zeolite and Its Derived High-performance Catalyst	GO C16 15:00-15:20 Room C	Hyungjin Kim, Jin Hui Jo, Hyeonji Park, Ganghui Lee, Joo-II Park, Won Seok Chi (Yonsei Univ.) Enhancing Biodiesel Production and Regulation through the Optimization of Catalytic Acid Site Configurations in Heteropoly Acid-functionalized Metal-organic Frameworks	GO D12 15:00-15:20 Room D	Satoshi Inagaki, Keiju Tokita, Yoshihiro Kubota (Yokohama National Univ.) Iridium-encapsulated Silicalite-1 Catalyst for the Hydrogenolysis of Methylcyclopentane with Excess Methylcyclohexane
15:20	15:40	GO A13 15:20-15:40 Room A	Seon Tae Kim, Tae Wook Kang, Do Yun Kim, Ji Eon Ji, Sun Woog Kim (Korea Inst. of Ceramic Engineering and Technology, Busan National Univ., Korea Shipbuilding & Offshore Engineering) Development of RP-type Perovskite-based Non-Noble Catalysts for Low-Temperature Methane Decomposition	GO B17 15:20-15:40 Room B	Nao Tsumoji, Masahiro Sadakane (Hiroshima Univ.) Phosphorus-modified Small Pore Zeolites with Enhanced Hydrothermal Stability	GO C17 15:20-15:40 Room C	Satoshi Sugauma, Harumi Ikuta, Kiyotaka Nakajima, Etsushi Tsuji, Naonobu Katada (Hokkaido Univ.) Hydrogenation of Pyroglutamic Acid Catalyzed by YFI Zeolite-supported Ruthenium	GO D13 15:20-15:40 Room D	Sun Woog Kim, Tae Wook Kang (Korea Inst. of Ceramic Engineering and Technology) Development of RP-type Perovskite-based Novel Catalyst for Ammonia Decomposition
15:40	16:00	GO A14 15:40-16:00 Room A	Yeon-Bin Choi, Seo Ra Woo, Tae Wook Kang, Sun Woog Kim, Byungseo Bae (Yeongwol Industrial Promotion Agency) Complete Oxidation of Xylene using NiO supported CeO2-SiO2 catalysts under moderate condition	GO B18 15:40-16:00 Room B	Tomohiro Morii, Gen Horiuchi, Nao Tsumoji, Chang Yi Kong, Takahiko Moteki (Shizuoka Univ., Hiroshima Univ.) Synthesis of MWW- and NSI-type Zeolite Analogs with Interlayer-bridging Catalytic Sites	GO C18 15:40-16:00 Room C	Yasin Khani, Behzad Valizadeh, Fatemeh Khani, Young-Kwon Park (Univ. of Seoul) Esterification of Palm Oil Mill Effluent Using Solid Acid Catalyst Cr-MIL-101-SO3H	GO D14 15:40-16:00 Room D	Hojin Lee, Chang Houn Rhee, Sangwook Joo, Beom-Sik Kim, Gihun Kwon, Hai Woong Park (POSCO Holdings) Hydrogen Production by Ammonia Decomposition using Direct Reduced Iron (DRI) as an Fe catalyst
16:00	16:20	GO A15 16:00-16:20 Room A	Tae Yong Kim, Hyung Jun Kim, Jeong Woo Han (KOREATECH, Seoul National Univ.) Mechanisms for CO Oxidation over Doped Cerium Oxides: Kinetic and DFT study	GO B19 16:00-16:20 Room B	Atsushi Muramatsu (Tohoku Univ.) Mechanochemical Route to Synthesize Zeolites as Novel Method and their Characterization Using NanoTerasu	GO C19 16:00-16:20 Room C	Avnish Kumar, Young-Kwon Park (Univ. of Seoul) Reductive Catalytic Fractionation of Forestry Lignocellulosic Biomass into Phenol-enriched Lignin Oils over Transition Metal-modified Activated Carbon Catalysts	GO D15 16:00-16:20 Room D	Keiji Wachi, Masashi Makizawa, Takeshi Aihara, Shin Kiyohara, Yu Kumagai, Keigo Kamata (Inst. of Science Tokyo) Aerobic Oxidation of Sulfides Catalyzed by Ru-doped Hexagonal Perovskite SrMnO3
16:20	16:30	Break 16:20-16:30							
16:30	16:50	GO A16 16:30-16:50 Room A	Hyojung Lim, Jinuk Choi, Junho Shim, Yongjun Lee, Uk Sim (Korea Inst. of Energy Technology, NEEL SCIENCES) High-Entropy Transition Metal Dichalcogenide (MoCrSnSSe/rGO) Catalysts for Urea Oxidation	GO B20 16:30-16:50 Room B	Yin Liu, Yong Wang, Peipei Xiao, Hermann Gies, Toshiyuki Yokoi (Inst. of Science Tokyo, Ruhr Univ. Bochum, iPEACE223) Preparation of Needle-like Hierarchical Beta Zeolite via Post-Synthetic Morphology Control	GO C20 16:30-16:50 Room C	Behzad Valizadeh, Sumin Pyo, Young-Kwon Park (Univ. of Seoul) Jet Fuel Production via Catalytic Pyrolysis of Pine Sawdust over Metal Loaded Hierarchical Mesoporous Zeolites under Various Environments	GO D16 16:30-16:50 Room D	Nobuki Ozawa, Kaito Mori, Tetsuya Nakamura, Momoji Kubo (Tohoku Univ.) Large Scale Reactive Molecular Dynamics Simulation of Catalyst Layer Structure with High Electrode Reaction Activity in Polymer Electrolyte Fuel Cell Cathode
16:50	17:10	GO A17 16:50-17:10 Room A	Ryota Kato, Manami Matsuo, Yu Moriwaki, Moeri Fukui, Satoshi Sugauma, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Methylation of Naphthalene Ring Catalyzed by YFI Zeolite	GO B21 16:50-17:10 Room B	Kosuke Murata, Yugo Nishiura, Shunma Mitsuoka, Tadanori Hashimoto, Atsushi Ishihara, Ning Chen, Yuki Jonoo, Sho Kawabe, Keita Nakao (Mie Univ., Tosoh Corp.) Hydrocracking of n-Heptadecane for SAF Production Using Pt-Supported β -Zeolite-Al2O3 Composite Catalysts	GO C21 16:50-17:10 Room C	Mikihiro Nomura (Shibaura Inst. of Technology) MTO Reaction through Thin Zeolite Membranes	GO D17 16:50-17:10 Room D	Sang Hoon Joo (Seoul National Univ.) Revitalizing the Chlorine Evolution Reaction with Atomically Dispersed Metal Catalysts
17:10	17:30	GO A18 17:10-17:30 Room A	Yeongin Jo, Young-Woong Suh (Hanyang Univ.) Supported Pt Nanoclusters with Partially Decorated TiOx Coverage for LOHC Dehydrogenation			GO C22 17:10-17:30 Room C	Hiromi Matsuhashi, Michiko Kitagawa (Hokkaido Univ. of Education, Riken) Measurement of the Base Strength of MgO Catalysts by Temperature-programmed Desorption Using Propylene as a Probe Molecule	GO D18 17:10-17:30 Room D	Masahiro Noguchi, Keitaro Shinkawa (Clariant Catalysts (Japan)) Bridging the Gap: Strategic Approaches for Transition from Lab-scale to Manufacturing
17:30	17:40	Break 17:30-17:40							
17:40	17:50	Cloding remark 17:40-17:50 Room A							