

Poster presentation/Short presentation

Room F

July 25, Monday 14:30-16:30

14:30	P1004	Synthesis of primary anilines via acceptorless dehydrogenative aromatization catalyzed by supported Pd nanoparticles using NH ₃ as a nitrogen source	Hui LI, Takafumi YATABE, Satoshi TAKAYAMA, Kazuya YAMAGUCHI	The University of Tokyo
14:35	P1006	Heterogeneously catalyzed selective decarbonylation of aldehydes by highly dispersed non-electron-rich Ni(0) nanospecies supported on CeO ₂	Takehiro MATSUYAMA, Takafumi YATABE, Tomohiro YABE, Kazuya YAMAGUCHI	The University of Tokyo
14:40	P1012	Reverse water gas shift reaction via chemical-looping on Cu modified In ₂ O ₃	Sota KAKIHARA, Jun-ichiro MAKIURA, Takuma HIGO, Yuichiro HIRANO, Yasushi SATO, Yasushi SEKINE	Waseda University
14:45	P1023	Three-step synthesis of 1,3-Butanediol from Ethanol over heterogeneous and homogeneous catalysts.	Mahlet N. GEBRESILLASE, Jeong SEO	Hanyang University
14:50	P1026	Electroconversion of lower alcohols into value-added chemicals	Takumi HAKAMATA, Daisuke KAWAGUCHI, Shady ABDELNASSER, Miru YOSHIDA-HIRAHARA, Hitoshi OGIHARA, Hideki KUROKAWA	Saitama University
14:55	P1028	Uniform NiFeO _x catalyst as a protective layer of transparent Ta ₃ N ₅ photoanode for efficient and stable oxygen evolution reaction	Yudai KAWASE, Tomohiro HIGASHI, Keisuke OBATA, Kazunari DOMEN, Kazuhiro TAKANABE	The University of Tokyo
15:00	P1036	Water splitting under visible light over a Z-scheme photocatalyst sheet using metal sulfide and BiVO ₄ photocatalysts necked with a conductive polymer	Kengo NAGATSUKA, Shunya YOSHINO, Yuichi YAMAGUCHI, Akihiko KUDO	Tokyo University of Science
15:05	P1038	Development of metal complexes with various ligands as an electron mediator in Z-schematic water splitting under visible light irradiation	Kotaro WADA, Shunya YOSHINO, Yuichi YAMAGUCHI, Tomiko M. SUZUKI, Takeshi MORIKAWA, Akihiko KUDO	Tokyo University of Science
15:10	P1057	Solar water splitting over highly efficient powder-based Cu ₃ VS ₄ photocathode with 1.55 eV of a band gap	Hirofumi FUKAI, Kengo NAGATSUKA, Yuichi YAMAGUCHI, Akihiko IWASE, Akihiko KUDO	Japan Technological Research Association of Artificial Photosynthetic Chemical Process (ARPCHEM)
15:15	P1060	Improvement of photocatalytic activity of Ag-excess AgTaO ₃ via HNO ₃ treatment	Satoshi NAKAYAMA, Fumiaki AMANO	The University of Kitakyushu
15:35	P1064	Photocatalytic CO ₂ reduction to CH ₄ using H ₂ O as an electron donor over a Pd-Ru-loaded NaTaO ₃ :Sr photocatalyst	Suguru YAGIHASHI, Shunya YOSHINO, Yuichi YAMAGUCHI, Akihiko KUDO	Tokyo University of Science
15:40	P1065	Temperature dependence of photocatalytic water splitting under visible light irradiation using IrO ₂ /SrTiO ₃ :Rh,Sb sequentially loaded with metal cocatalysts	Erika KIKUCHI, Hiroaki NEMOTO, Shunya YOSHINO, Yuichi YAMAGUCHI, Akihiko KUDO	Tokyo University of Science
15:45	P1067	Hydrogen evolution from alcohol in aqueous suspension of tungsten oxide in the presence of oxygen and copper ion	Chihiro SHIBA, Kazuki HAYAMI, Atsuhiko TANAKA, Hiroshi KOMINAMI	Kindai University
15:50	P1068	Bromine substitution of organic modifiers fixed on a titanium(IV) oxide photocatalyst: A new strategy accelerating visible light-induced hydrogen-free hydrogenation of furfural to furfuryl alcohol	Hibiki TODA, Yuhei YAMAMOTO, Atsuhiko TANAKA, Hiroshi KOMINAMI	Kindai University
16:00	P1085	Synthesis of CoAl mixed oxide nanocomposite catalyst derived from layered double hydroxides: Application for aerobic alcohol oxidation	Febi YUSNIYANTI, Takayoshi HARA, Nobuyuki ICHIKUNI	Chiba University
16:05	P1088	Lithium-based silicates Li ₂ CaSiO ₄ and Li ₄ SiO ₄ as highly active catalysts for the oxidative coupling of methane	Tomohiro MATSUMOTO, Satoshi ISHIKAWA, Miwa SAITO, Wataru UEDA, Teruki MOTOHASHI	Kanagawa University
16:10	P1089	Pt-Cu bimetallic catalysts supported on alumina with worm-like-structured mesopore for n-butane dehydrogenation	Yuki OSHIMA, Seiji KUCHIKI, Miru HIRAHARA, Hitoshi OGIHARA, Hideki KUROKAWA	Saitama University
16:15	P1090	n-Pentane dehydrogenation over supported Pt catalysts - Effects of co-fed gas-	Misuzu KOMURO, Takayuki URAKAWA, Honoka ANEZAKI, Miru HIRAHARA, Hitoshi OGIHARA, Hideki KUROKAWA	Saitama University
16:20	P1032	Synthesis of narrow bandgap GaN-ZnO solid-solutions exposing characteristic facets and their photocatalytic activity	Natsutogi IWASA, Zhenyuan TENG, Guijun MA, Takashi HISATOMI, Kazunari DOMEN	Shinshu University

16:25	P1100	Fabrication of novel MnO ₂ nanostructures decorated with tin nanoparticles for high performance visible light driven photocatalyst	Kavivarasu KASINATHAN, S. PANIMALAR, R. UTHRAKUMAR, C. INMOZHI, M. MAAZA	University of South Africa
-------	-------	---	--	----------------------------

July 26, Tuesday 13: 30-15:10

13:30	P2006	Selective oxidation of furfural to succinic acid over Lewis acidic Sn-Beta	Yayati-Naresh PALAI, Abhijit SHROTRI, Atsushi FUKUOKA	Hokkaido University
13:35	P2022	Synthesis of 2-imidazolidinone from ethylenediamine carbamate by CeO ₂ catalyst without external CO ₂ addition	Shogen MIHARA, Jie PENG, Masazumi TAMURA, Mizuho YABUSHITA, Ryotaro FUJII, Yoshinao NAKAGAWA, Keichi TOMISHIGE	Tohoku University
13:40	P2023	Intramolecular cycloamination of primary amines using gold nanoparticles deposited on fibrillated citric acid-modified cellulose	Butsaratip SUWATTANANURUK, Yuta UETAKE, Hidehiro SAKURAI	Osaka University
13:45	P2049	Towards stable aromatics production at high pressure in methanol conversion	Tuiana-Bairovna SHOINKHOROVA, Adrian RAMIREZ, Tomas CORDERO-LANZAC, Sang-ho CHUNG, Javier RUIZ-MARTINEZ, Jorge GASCON	King Abdullah University of Science and Technology
13:50	P2057	In-situ DRIFTS analysis of Sb promoted vanadia-titania catalysts	Alexander NELLESEN, Andreas SCHAEFER, Anna MARTINELLI, Per-Anders CARLSSON	Chalmers University of Technology
13:55	P2064	Characteristic of graphene-modified indium cadmium sulfide photocatalyst for water splitting hydrogen production	Yi-Hui LI, Zhuan-Ping DONG, Yu-Ching WENG	Feng Chia University
14:00	P2070	Synthesis of unsaturated dicarboxylic acid from CO ₂ and pyruvate with malate dehydrogenase and fumarate hydratase	Mika TAKEUCHI, Masanobu HIGASHI, Yutaka AMAO	Graduate School of Science, Osaka City University
14:05	P2071	Microkinetics and mechanism of electrocatalytic CO ₂ reduction into CO over molecular complexes loaded gas-diffusion electrodes	Xiaofei LU, Busra DERELI, Tatsuya SHINAGAWA, Luigi CAVALLO, Kazuhiro TAKANABE	The University of Tokyo
14:10	P2075	Screening ternary Pt-based catalysts for oxygen reduction reaction by scanning electrochemical microscopy	Xin-Ren WENG, Wei-Ming CHEN, Yu-Ching WENG	Feng Chia University
14:15	P2076	Electrospinning of Au Nanoparticles/ Carbon Nanofibers for Acetaminophen Sensor	Zhao-Nan WANG, Ting-Yu YANG, Yu-Ching	Feng Chia University
14:30	P2077	Optimization of Pd-based Catalyst for Formic Acid Oxidation	Chieh-Lin CHIANG, Yu-Ching WENG	Feng Chia University
14:35	P2081	Computational prediction of support activation by the electron scavenger effect	Yoyo HINUMA, Takashi TOYAO, Nobutsugu HAMAMOTO, Shinya MINE, Zen MAENO, Takashi KAMACHI, Ken-ichi SHIMIZU	National Institute of Advanced Industrial Science and Technology (AIST) / Tokyo Institute of Technology
14:40	P2083	Governing factors on surface hydrogen over heterocation-doped CeO ₂	Hiroshi SAMPEI, Kota MURAKAMI, Atsushi ISHIKAWA, Takuma HIGO, Hideaki TSUNEKI, Hiromi NAKAI, Yasushi SEKINE	Waseda University
14:45	P2090	Fast catalyst screening method using a universal neural network potential	Yoshihiro YAYAMA, Takuya UGAJIN, Taku WATANABE	ENEOS Corporation
14:50	P2091	Technology for controlling active sites of industrial supported metal catalysts	Kazuki NAKAJIMA, Yusuke MATSUMOTO	JGC Catalysts and Chemicals Ltd.
14:55	P2096	Control of acidity and pore structure in amorphous silica-alumina materials	Yuki MIWA, Yuka SETO, Chizu INAKI, Tomohiro MITSUI	JGC Catalysts and Chemicals Ltd.
15:00	P2100	Catalyst grading system for the improvement of LGO HDS performance via CAE technique	Takayuki KUROGI, Mayumi ETOU, Rei HAMADA, Shingo SAKAI	JGC Catalysts and Chemicals Ltd.
15:05	P2040	Catalytic activity of mesostructured Cu doped TiO ₂ for thermal oxidation of ethylene	Rajendran KARUPPUSAMY, Dinesh JAGADEESAN, Deepak Krishnan BALAJI, Ankit D. TIWARI	Indian Institute of Technology Palakkad

July 27, Wednesday 13:30-15:30

13:30	P3001	Effects of surface proton coverage over support on catalytic ammonia synthesis in an electric field	<u>Sae DOI</u> , Yuta TANAKA, Kota MURAKAMI, Kazuharu ITO, Yuta MIZUTANI, Koki SAEGUSA, Takuma HIGO, Hideaki TSUNEKI, Yasushi SEKINE	Waseda University
13:35	P3003	Humins decomposition by γ -irradiation - a promising strategy for catalyst regeneration	<u>Natalia S. MEDINA</u> , Benjamin KATRYNIOK, Jean-Sebastien GIRARDON, Isabelle HABLOT, Philippe GUILBAUD, Laurent VENAULT, Stephanie CORNET, Vincent PACARY	University of Lille
13:40	P3006	Low-temperature electric field-enhanced carbon dioxide sorption on eutectic mixture-promoted magnesium oxide	<u>Monica-Louise-Tekiko TRIVINO</u> , Yasushi SEKINE, Jeong Gil SEO	Hanyang University
13:45	P3014	Electron-enriched single-atom Pt in Pb-Ca-decorated PtGa intermetallics as a selective and stable catalyst for propane dehydrogenation	<u>Yuki NAKAYA</u> , Ken-ichi SHIMIZU, Shinya FURUKAWA	Hokkaido University
13:50	P3025	Low-temperature synthesis of britholite-(La) fluorosilicate via co-precipitation method	<u>Thanyarat PHUTTHAPHONGLOET</u> , Yuta UETAKE, Naoyoshi NUNOTANI, Nobuhito IMANAKA, Hidehiro SAKURAI	Osaka University
13:55	P3040	Influence of the potassium introduction method on activity in ammonia synthesis of cobalt molybdenum nitrides deposited on gamma-alumina	<u>Artur JURKOWSKI</u> , Agnieszka WOJCIECHOWSKA, Aleksander ALBRECHT, Pawel ADAMSKI, Dariusz MOSZYNSKI	West Pomeranian University of Technology
14:00	P3042	First observation of surface protonics on SrZrO ₃ under H ₂ atmosphere via electrochemical impedance spectroscopy measurement	<u>Taku MATSUDA</u> , Yudai HISAI, Kota MURAKAMI, Shuhei OGO, Truls NORBY, Yasushi SEKINE	Waseda University
14:05	P3045	Synthesis of supported Au@Pd core@shell nanoparticles with thin Pd shell thickness and their stability in catalysis	<u>Yanyue FENG</u> , Andreas SCHAEFER, Mengqiao DI, Hanna HÄRELIND, Mattias BAUER, Per-Anders CARLSSON	Chalmers University of Technology
14:10	P3061	Direct conversion of syngas to branched C ₄ hydrocarbons via Fischer-Tropsch synthesis	<u>Yingluo HE</u> , Guohui YANG, Noritatsu TSUBAKI	University of Toyama
14:15	P3063	Catalysts formulation for the direct conversion of crude oil to chemicals	<u>Tuiana-Bairovna Hui</u> , Mohammed ALABDULLAH, Alla DIKHTIARENKO, Alberto RODRIGUEZ-GOMEZ, Jullian VITTENET, Ola S. ALI, Isidoro MORALES-OSORIO, Wei XU, Jorge GASCON	King Abdullah University of Science and Technology
14:25	P3087	Utilization of CO ₂ – Methanol production	<u>Rudolf WESSELS</u> , Erik-Jan RAS, Jeroen VAN DEN REIJEN	Avantium Chemicals B.V.
14:30	P3071	Hydrogen storage and release characteristics of light cycle oil over platinum catalyst for LOHC systems	<u>Jinho OH</u> , Hyejeong PARK, Thanh-Binh NGUYEN, Jung Kyoo LEE	Dong-A University
14:35	P3080	Partial oxidation of methane with hydrogen peroxide using iron complexes encapsulated into zeolite	<u>Maho SHIMADA</u> , Shuhei YAMAGUCHI, Hidenori YAHIRO	Ehime University
14:40	P3081	Direct hydroxylation of benzene with hydrogen peroxide using Fe complexes encapsulated into mesoporous zeolite	<u>Yuito ISHIDA</u> , Hitomu KOGA, Syuhei YAMAGUCHI, Hidenori YAHIRO	Ehime University
14:45	P2043	Kinetic analysis of oxidation of arsenite in water using a plug-flow reactor filled with platinum catalyst	<u>Hiromichi KONDO</u> , Takayuki URATA, Kazumasa OSHIMA, Tsuyoshi YAMAMOTO, Masahiro KISHIDA	Kyushu University
14:50	P2024	Aerobic oxidative cleavage of 2-hydroxycyclohexanone to 2-hydroxyadipic acid	<u>Koki HASHIMOTO</u> , Yoshinao NAKAGAWA, Mizuho YABUSHITA, Keiichi TOMISHIGE	Tohoku University
14:55	P1024	Vapor-phase dehydration of 1,4-butanediol using cerium oxide catalyst	<u>Kairi ONODERA</u> , Yosuke NAKAJI, Mizuho YABUSHITA, Yoshinao NAKAGAWA, Keiichi TOMISHIGE	Tohoku University
15:00	P1025	Hydrogenolysis of tetrahydrofuran-2-carboxylic acid over tungsten-modified rhodium catalyst	<u>Kota HASAMA</u> , Takehiro ASANO, Yoshinao NAKAGAWA, Masazumi TAMURA, Mizuho YABUSHITA, Keiichi TOMISHIGE	Tohoku University
15:05	P1002	Synthesis of secondary mono-alcohols from terminal vicinal alcohols over Ru-ReO _x /SiO ₂ catalyst	<u>Ben LIU</u> , Naoyuki SEKINE, Yoshinao NAKAGAWA, Masazumi TAMURA, Mizuho YABUSHITA, Keiichi TOMISHIGE	Tohoku University
15:10	P2027	Comparison of CeO ₂ -catalyzed synthesis of dialkyl carbonate from CO ₂ and alcohol using 2-furionitrile and 2-cyanopyridine as dehydrating agent	<u>Peilang LI</u> , Wen SUN, Marina OIKAWA, Mizuho YABUSHITA, Yoshinao NAKAGAWA, Keiichi TOMISHIGE	Tohoku University

15:15	P1003	Selective hydrodeoxygenation of guaiacol to phenolic compounds over iron-ceria-based catalysts with platinum single-atom alloy clusters as a promoter	<u>Congcong LI</u> , Yoshinao NAKAGAWA, Mizuho YABUSHITA, Keiichi TOMISHIGE	Tohoku University
15:20	P3027	Oxide encapsulated metal catalysts: Sinter and poison resistance and post-synthesis modification studies	<u>R. Nandini DEVI</u> , Sourik MONDAL, Chinnu THARA, Deepali KONDHEKAR	CSIR- National Chemical Laboratory
15:25	P1005	Selective removal of inorganic elements from real fast pyrolysis bio-oil using sorbents at ambient conditions	<u>Emma-Olsson MANSSON</u> , Abdenour ACHOUR, Olov OHRMAN, Prakhar ARORA, Derek CREASER, Louise OLSSON	Chalmers University of Technology