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YP 80 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

YP 79 Natkrit Kongphichphan, Masaki Furukawa, Roi Matsuo, Mikihiro Nomura (Shibaura Inst. of Technology) Effects of Surface Treatments on Catalytic Membrane Reactor for Methanol Conversion

YP 68 Mio Hayashi, Yukino Ofuchi, Sae Doi, Kenta Mitarai, Ken Kawabe, Yasushi Sekine (Waseda Univ., Yanmar Holdings) Hydrogen Production by NH3 Decomposition at Low Temperatures Using the Electric Field Catalysis

YP 67 Byung Sun Yoon, Chang Hyun Ko (Chonnam National Univ.) Ni-based Catalyst Screening for Syngas Production via Dry Reforming of Ethane

YP 66 Yuri Ko, Heesu Kim, Seulgi Kim (Yonsei Univ.) Design of Ternary Alloy Nanoparticles on Perovskite Catalysts for Efficient Dry Reforming of Methane

YP 55 Hanbit Jang, Seungdon Kwon, Hyogeun Yang, Younglae Yu, Yuyeol Choi, Nagyeong Kim, Kyungsu Na (Chonnam National Univ.) Nanostructured Cobalt Oxide-Based Catalysts for Sustainable Acetic Acid Production from CO2 and CH4

YP 54 Changgi Kim, Seungdon Kwon, Jun Hyeok Heo, Kyungsu Na (Chonnam National Univ.) Chloromethane Conversion to Olefins using MgO-Promoted Zeolite Catalysts

YP 53 Ikuto Nakashita, Tomohiro Fukumasa, Ryusei Hashiguchi, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Reactivity of Cyclooctane on MFI Type Zeolite

YP 43 Keishi Ogura, Daisuke Nagai, Shusuke Okamoto (Univ. of Shizuoka) Development of 1-Dialkylamino Pyrene-Based Photoredox Catalysts

YP 42 Yui Akaike, Keishi Ogura, Daisuke Nagai, Shusuke Okamoto, Ryo Tamura (Univ. of Shizuoka) Photooxidation Reaction of Aromatic Boron Compound Using Pyrene Core-Based Photoredox Catalysts

YP 41 Mayu Kawaguchi, Hideyuki Katsumata, Mai Furukawa, Ikki Tateishi, Satoshi Kaneco (Mie Univ.) Decolorization Performance of Methyl Orange Using Photocatalytic TpPaCOF CO2 Membrane

YP 31 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 H2O Splitting

YP 30 Momona Shimodaira, Hideyuki Katsumata, Ikki Tateishi, Mai Furukawa, Satoshi Kaneco (Mie Univ.) Highly Efficient Photocatalytic Activity of Benzothiazole Incorporated g-C_3N_4

YP 29 Mayu Inose, Shuhei Nakakura, Takashi Hisatomi, Tsuyoshi Takata, Kazunari Domen (Shinshu Univ., Sumitomo Metal Mining) Improvement of Hydrogen Evolution Activity of LaTiO2N Synthesized via Flame Spray Pyrolysis by Al Doping

YP 19 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

YP 18 Seokho Lee, Seohee Jang, Yeonwoo Do, Yiyun Yang, Yunjeong Jang, Kihyun Shin (Hanbat National Univ.) The Impact of Pt Nanoparticle Size Variation on Oxygen Reduction Reaction Performance

YP 17 Yuki Fujita, Miyu Watanabe, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Influence of Humidity on Direct Air Electrolysis Using Deliquescent Neutral Salt as Electrolyte

YP 06 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

YP 05 Jaebeom Han, Hyeon Jeong Kim, Sang Woo Han, Jeong Young Park (Korea Advanced Inst. of Science and Technology) Reduced Catalytic Activity of Facet-Controlled Co3O4 Supported Pt Nanoparticles through Strong Metal-Support Interaction

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GP 35 Gwan-Joong Park, Su-Ji Kim, Chang Hyun Ko (Chonnam National Univ.) Pore-size Controlled Ni/Al2O3 Catalyst for Methane Reforming via Mechanochemical One-pot Synthesis

GP 34 Seolhwa Yun, Sang-Hyeok Kim, Hana kim, Sung-chan Nam, Jungho Park, Jung Hyun Lee, Jong Tak Jang (Korea Inst. of Energy Research, Korea Univ.) Syngas Production via CH4 Reduction and CO2 Splitting: A Comparative Study of A-site and B-site Doping in SrFeO3-δ

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GP 23 Kyeongeun Kim, Jungkyu Choi, Chun-Jae Yoo (Korea Inst. of Science and Technology) Integrated Direct Air Capture and Conversion to Carbon Monoxide over K/Al2O3

GP 22 Hyun Dong Kim, Hyun Wook Hwang, Seok Ki Kim (Ajou Univ.) Effect of Reaction Parameters on Methanol Synthesis from CO and CO2 Mixed Feedstock

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GP 10 Minsung Kim, Sang Hoon Kim, Jongsik Kim (Korea Inst. of Science and Technology, Kyung Hee Univ.) Radical Inter-Transition from •OH to Cl • Confined in UiO-66 for Use of Cl• as an Aqueous Pollutant Mineralizer

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YP 65 Yuyeol Choi, Eunseo Yun, Sejin Ahn, Kyungsu Na (Chonnam National Univ.) Production of 2,5-Furandicarboxylic acid from Furoic Acid through CO2 Utilization

YP 64 Yusei Kato, Ayaka Matsunaga, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Influence of Pressure on CO2 to Hydrocarbon Reaction over Sodium Ferrite-MFI Type Zeolite Mixture

YP 63 Haseeb Shafqat, Yusei Kato, Ayaka Matsunaga, Etsushi Tsuji, Naonobu Katada (Tottori Univ.) Hybrid Catalyst Design for Efficient CO_2-to-Gasoline Conversion Using $NaZnFe_2O_4$ and ZSM-5

YP 62 Chufeng Liu, Chengwei Wang, Yinglou He, Gouhui Yang, Noritatsu Tsubaki (Univ. of Toyama) Highly Efficient Hydrogenation of CO2 to Heavy Hydrocarbons via NaFeGa Catalysts

YP 52 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

YP 51 Daiki Kamiki, Motomu Sakai, Tohru Kamo, Masahiko Matsukata (Waseda Univ.) Degradation Behavior of Polyethylene in Hydrocarbon Solvents Using Solid Acid Catalysts

YP 50 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

YP 40 Kentaro Yamauchi, Mai Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Effect of Pretreatment of Bismuth Subcarbonate on Dye Decolorization

YP 39 Rin Shirafuji, Mai Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Improvement of Photocatalytic Activity of Bismuth Tungstate Modified with Surfactants

YP 38 Shuwei Liu, Xian Zhang, Fumitaka Ishiwari, Megumi Okazaki, Akinori Saeki, Kazuhiko Maeda (Inst. of Science Tokyo, Osaka Univ.) Nanoparticulate Precursor Route to Synthesize TiO2: N,F for Oxygen Evolution Under Visible Light

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YP 27 Miyu Sato, Mai Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Photocatalytic CH4 Production from Acetic Acid Solution with Visible Light Responsible S-doped g-C3N4

YP 26 Yuri Okuno, Mai.Furukawa, Ikki Tateishi, Hideyuki Katsumata, Satoshi Kaneco (Mie Univ.) Photocatalytic CH4 Production from Acetic Acid Solution with Visible Light Responsible S-doped g-C3N4

YP 16 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

YP 15 Yuta Takaoka, Jun Tae Song, Motonori Watanabe, Inada Miki, Tatsumi Ishihara (Kyushu Univ.) CO2 Electrolysis in Acid with Ni, Co-coordinated Nitrogen-doped Carbon Electrocatalyst

YP 14 Ko Kataoka, Koki Sumiyoshi, Tadaharu Ueda, Shuhei Ogo (Kochi Univ.) Low-Temperature Propane Dehydrogenation over Pt/M–ZrO2 Catalysts under an Electric Field

YP 03 Haneul Kim, Kwang Hyun Kim, Konstantin Khvartsev, 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/TiO2 on the CO Oxidation Reactions: A Comparative Study of Pt/rutile and Pt/anatase

YP 02 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

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GP 31 Hyunsub Shin, Misook Kang (Yeungnam Univ.) Dual Functionality for Hydrogen Production and Antibacterial Activity CuO.1Zn0.9O Loaded with Ag NPs

GP 30 Muneaki Yamamoto, Tomoka Yamamoto, Tetsuo Tanabe, Tomoko Yoshida (Nagoya Univ., Osaka Metropolitan Univ.) The Role of Size Controlled Ag NPs Loaded on Ga2O3 Photocatalyst for CO2 Reduction

GP 21 Ayaka Miura, Kenji Nakao, Noriyuki Yamane, Noritatsu Tsubaki (Nippon Steel Corp.) Research and Development of the Catalytic Process for Low-Temperature Methanol Synthesis from CO2 using alcohol

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