GP19-001 - GP19-070: Room 107-108
GP19-071 - RP19-200: Room 204

Monday, July 19
17:40-19:40

No.	Name	Title of the Abstract
GP19-001	Caixia Qi	Excellent thermal stability of P modified Au catalysts for CO oxidation
GP19-002	Jennifer Edwards	Formulation of Highly Selective Catalysts for the Direct Synthesis of H_2O_2
GP19-003	Wimonrat Trakarnpruk	Biodiesel from Palm Oil and Palm Oil Distillate Using Heterogeneous Catalysts
GP19-004	Seong-Soo Hong	Transesterification of Soybean Oil to Biodiesel Using Solid Acid Type Metal Oxide Catalysts
GP19-005	Salvador Ordonez	Performance of bifunctional Pd/MgxMyO (M=Zr, Al) catalysts for aldolization-hydrogenation of furfural-acetone mixtures
GP19-007	Thomas Maschmeyer	Modification Of Tallow Biodiesel By Homogeneous Catalytic Autoxidation
GP19-008	Hyun-Seog Roh	The effect of calcination temperature on the performance of Ni/MgO-Al_2O_3 catalysts for decarboxylation of bio-diesel
GP19-009	Young-Woong Suh	Enhancement of catalytic activity of Nafion NR50 by the presence of 1-butyl-3-methylimidazolium chloride for hydrolysis of cellobiose to glucose
GP19-010	Takuya Yoshikawa	Production of Useful Chemicals from Glycerol Over Zirconia-Iron Oxide Catalyst
GP19-011	Ye WANG	Direct transformation of cellulose into methyl glucosides in methanol catalyzed by heteropolyacids
GP19-012	Franck Dumeignil	Biomass valorization by dehydration of glycerol - a sustainable pathway to acrolein
GP19-013	Chandrashekhar V. Rode	Dehydration vs. hydrogenolysis of aqueous glycerol over non chromium copper catalyst
GP19-014	Yunjie Ding	Hydrogenolysis of glycerol to 1,3-propanediol catalyzed by Pt/WO_3/TiO_2/SiO_2
GP19-015	Franck Dumeignil	Glycerol Dehydration to Acrolein over New Catalysts
GP19-016	Satoshi Funai	Selective Production of Ketone from Biomass Waste Containing a Huge Amount of Water Using Iron Oxide Catalyst
GP19-017	Heeyeon Kim	Effect of Pt particle size on electro-catalytic activity and durability of PEMFC catalyst
GP19-018	Ara Cho	Properties of NiMo catalysts prepared by the impregnation of sonochemically synthesized Mo-sulfide with Ni-acetylacetonate
GP19-019	Yasuharu Kanda	Effect of Pretreatment on Activities of Supported Ru Catalyst for Thiophene Hydrodesulfurization
GP19-020	Yuichi Kamiya	Selective photocatalytic reduction of nitrate to nitrogen molecules in aqueous suspension of Pt/TiO_2 and Sn-Pd/Al_2O_3
GP19-021	Kwan-Young Lee	Effects of adding Cu/ZnO/Al_2O_3 to Pd/TiO_2/Al_2O_3 for NOx reduction with CO under simulated Euro IV diesel exhaust condition
GP19-022	Roberto Lanza	Hydrocarbon assisted NOx Selective Catalytic Reduction Over Supported Metallic Catalysts
GP19-023	Yeon-Su Kim	The effects of PtPdFe/Al_2O_3 oxidation catalyst in diesel engine exhaust gas
GP19-024	Pascal Granger	Influence of oxygen in the reaction of NO and hydrogen over Pd based Catalysts : Support induced effect
GP19-025	Daniel H. Chen	Metal Oxide -Modified Catalytic Concrete Slab for NOx and Ozone Removal
GP19-026	Ke-Qiang Sun	Lowering the Dependence on Platinum of Pt-BaO/Al_2O_3 Catalyst for NOx

		Storage and Reduction
GP19-027	Kuen-Song Lin	Fine structure characterization of noble metals in washcoat of motorcycle three-way converter catalysts
GP19-028	Kazuhiro Takanabe	Improved activity and stability of nitrided Co-Ti and Fe-Ti catalysts for oxygen reduction as non-noble metal cathodes for PEFC
GP19-029	Ahn Hong Gyu	Combinatorial approach to Pd-M catalysts for oxygen reduction reaction with theoretical thermodynamic guidelines.
GP19-030	Tomohiko Hayashi	Direct Synthesis of Diphenyl Carbonate by Electro-Carbonylation of Phenol using Pd^{2+}/Pd^{0} Redox Catalyst
GP19-031	Atsushi Takahashi	The additive effect of phosphorous to ZSM-5 catalysts for ethanol conversion into propylene
GP19-032	Mikhail Sulman	Polymeric nanocomposites on the base of hypercrosslinked polystyrene for enantioselective catalytic hydrogenation of ethylpyruvate
GP19-033	Yukwon Jeon	Heteropolyacid and heterocycle composite as a heterogeneous catalyst for ammoxidation
GP19-034	Moses O. Adebajo	Recent advances on activation of methane for methylation of aromatics over zeolite catalysts
GP19-035	Dilshad Masih	Methanol Conversion to Olefins and DME over RHO and KFI type Zeolites
GP19-036	Jong-Ki Jeon	Octene hydroformylation by using rhodium complexes tethered onto selectively functionalized mesoporous silica and in situ high-pressure IR study
GP19-037	Sang C. Kim	Characteristics of manganese based catalyst for catalytic combustion of volatile organic compounds
GP19-038	Vissanu Meeyoo	The Effect of Manganese Doping on the Catalytic Activity of CeO_2-ZrO_2 Mixed Oxides
GP19-039	Tatsuya Ogawa	Destructive absorption of HFC-23 with CaO powder and formation of CaF_2 under mild condition
GP19-040	Sang Min Ji	Efficient Hybrid Catalyst-Adsorbent Materials for the Elimination of Volatile Organic Compounds at Low Temperatures
GP19-041	Xiu-feng Xu	NF_3 decomposition over mesoporous Al_2O_3 without water
GP19-042	Pascal Granger	Towards lower noble metal loading using perovskites as support for the abatement of atmospheric pollutants
GP19-043	Atsushi Satsuma	Effect of Ag loading on Soot Oxidation over Ag/CeO_2
GP19-044	Naveed JAN	Study on the catalysis of soot oxidation by iron oxide from diesel exhaust
GP19-045	Sang C. Kim	Evaluation of Regeneration Method of Spent Three-way Catalysts for Catalytic Oxidation of Aromatic Hydrocarbons
GP19-046	Ahn Hong Gyu	Highly stable carbide supported catalysts for CO_2 reforming of methane.
GP19-047	Roberto Lanza	Investigation on the reaction mechanism and influence of the calcination conditions on partial oxidation of methane over Ru based catalyst
GP19-048	Kai Tao	Hydrogen production by steam reforming of vegetable oil over Ni/ZrO_2-SiO_2 bimodal pore catalyst
GP19-049	Fabio B. Noronha	Oxidative steam reforming of ethanol over Co/CNF catalysts
GP19-050	Benjing Xu	The synthesis, characterization and catalytic application of mesoporous Ni-Al_2O_3
GP19-051	Siao-Wun Liou	Ultrasonic-Assisted Fabrication of LaNiOx Composite Oxide Nanotubes and Application to the Steam Reforming of Ethanol
GP19-052	Chi-Yang Teng	Influence of Crystalline of Zirconia on the CoOx-ZrO_2 Composite Oxide
GP19-053	Wen-Yzu Wang	Effect of Surface Area of Zinc oxide on the Steam Reforming of Ethanol

GP19-054	Hannes Kannisto	Designing active Ag/Al_2O_3 catalysts for diesel-SCR: crucial importance of silver particle size in activation of aromatic hydrocarbons
GP19-055	Sung-Won Ham	Oxidation of gaseous elemental Hg over metal chloride-loaded V_2O_5-WO_3/TiO_2 catalysts in SCR process
GP19-056	Yanqiang Huang	Ir, Pt, and Au modified CeO_2 catalysts for CO oxidation: the role of oxygen vacancy and carbonates
GP19-057	Yanglong Guo	Effect of lanthanum on the catalytic performance of CuO-K2O-La_2O_3/Al_2O_3 catalyst for HCl oxidation
GP19-058	Weijie Ji	Selective production of p-xylene by alkylation of toluene with methanol over the SiO_2 modified small sized ZSM-5 catalysts
GP19-059	Son-Ki IHM	Comparison of two preparation methods for the hybrid (copper oxide and Al-SBA-15) catalysts for DME steam reforming
GP19-060	Son-Ki IHM	Effect of the acid strength of MFI zeolites on the propylene selectivity in methanol-to-propylene (MTP) reaction
GP19-061	Son-Ki IHM	Comparison of two preparation methods for the hybrid (copper oxide and Al-SBA-15) catalysts for DME steam reforming
GP19-071	Anthony F. Masters	Chemical Modeling of SiO_2 Defects. The Non-innocent Nature of Silica Surfaces in Catalysis
GP19-072	Yuta Nakasaka	Intracrystalline Diffusivity of Benzene within Micro-, Meso-porous Materials in Cyclohexane and Iso-propanol Solution
GP19-073	Jing-Dong Lin	FTIR studies of CO adsorption and hydrogenation on Ru/MgO catalyst
GP19-074	Yuriy A. Chesalov	In situ FTIR study of b-picoline transformations on V-Ti-O catalysts
GP19-075	Mingshu Chen	In situ IRAS study of CO oxidation on Pt-group metal surfaces
GP19-076	Yunjie Ding	Insight into the phase evolution of iron phosphate catalyst during the oxidative bromination of methane
GP19-077	Bo-Geun Song	Comparison between diether- and phthalate-based Ziegler-Natta catalysts for the propylene and ethylene copolymerization
GP19-078	Alexandre Goguet	Identification of the role of carbon in highly active and selective MoOx-based catalysts for the skeletal hydroisomerisation of alkanes: a TPO and TAP study.
GP19-079	Alexandre Goguet	Time of Flight mass spectrometry for quantitative data analysis in fast transient studies using a Temporal Analysis of Products (TAP) Reactor.
GP19-080	Alexandre Goguet	SpaciMS - the tool to unveil the behaviour within catalytic monoliths.
GP19-081	Tomoki Akita	Analytical TEM observation of the structure of Au nano-particles on ZrO_2
GP19-082	Tetsuya Nanba	NH_3-TPR for supplemental analysis of H_2-TPR
GP19-083	Shogo Tawada	Characterization of metal supported catalysis by using chemisorption technology
GP19-084	Weixin Huang	Spectroscopic evidence for the subsurface defects on rutile TiO_2(110)
GP19-085	Hiroyuki Asakura	In situ time-resolved XAFS study of reaction mechanism of aryl halide homocoupling mediated by nickel complex
GP19-086	Satoru Takakusagi	Deposition and Structure Analysis of $Au_{11}(PPh_3)_8Cl_3$ on TiO_2(110) Surface
GP19-087	Christelle Legens	Characterization of Fischer Tropsch catalysts heterogeneity at different scales by XPS
GP19-088	Hiromitsu Takaba	Ultra-Accelerated Quantum Molecular Dynamics Study on Gold Catalyzed Hydroamination: Reaction Mechanism of Formation of Pure Enantiomers
GP19-089	Shang-Bin Liu	Regioselectivity of carbonium ions transition state formation in zeolites
GP19-090	Xueqing Gong	DFT modeling of electronic structures and catalytic performance of rare earth materials
GP19-091	Robbie Burch	Circumventing problems in the use of Steady State Isotopic Transient Kinetic

		(SSITKA) techniques
GP19-092	Christopher Hardacre	Structural-activity relationships of Au based catalysts for the carbonylation of methanol to acetic acid and methyl acetate: Identification of the active sites.
GP19-093	Francisco J. Cadete Santos Aires	Gaining insight on the surface properties of Pd/alpha-Si_3N_4 catalysts through their catalytic performances in different reactions
GP19-094	Nor Asikin Mohamad Nordin	Monoestolide synthesis from ricinoleic-oleic acids using solid acid catalyst.
GP19-095	Stefania Specchia	Surface chemical studies of fresh and aged Pd/$BaCeO_3$-ZrO_2 catalyst for methane combustion
GP19-096	Jung Han Ryu	Selective hydrogenation of 4-isobutylacetophenone over Pd/C prepared by precipitation and deposition method
GP19-097	Tsuyoshi Kugita	Stability and Hydrophobicity of Mesoporous Silica Functionalized by Organic Groups Directly Connected via Si-C Bond
GP19-098	Sang-Chul Jung	Photocatalyzed destruction of Organic Dyes using microwave/UV/O_3/H_2O_2/TiO_2 oxidation system
GP19-099	Daniel H. Chen	P-Doped Titania Nanotube for the Photocatalytic Oxidation of Rhodamine B
GP19-100	Taicheng An	The synthesis, characterization of TiO_2 pillared clay immobilized SiO_2 and application for photocatalytic degradation of volatile organic pollutants
GP19-101	Deniz Uner	On the Mechanism of Photocatalytic CO_2 reduction with water in the Gas Phase
GP19-102	Deniz Uner	TiO_2-Carbon Nanotube Structures for Photoelectrocatalysis
GP19-103	Qingxin Jia	$InBO_3$ Photocatalyst with Calcite Structure for Overall Water Splitting
GP19-104	Hidehisa Hagiwara	Charge transfer mechanism in Pt/KTa(Zr)O_3 photocatalyst modified with porphyrinoids for water splitting
GP19-105	Tsuyoshi Takata	Effect of aliovalent dopin on photocatalytic water splitting
GP19-106	Ryu Abe	Facile fabrication of an efficient oxynitride TaON photoelectrode for overall water splitting into H_2 and O_2 under visible light
GP19-107	Guozhi Wang	Hydrogen evolution from water over Pt-loaded nanoporous Ag_2S/CdS under visible light irradiation
GP19-108	Farid A. Harraz	NiO Nanoparticles for Photocatalytic Degradation of EDTA
GP19-109	Tetsuji Aoyama	Photoelectrochemical properties of $Cu_{2x}Ag_{2-2x}ZnGeS_4$ photocatalysts
GP19-110	Yoshihisa SAKATA	Influences of the preparation condition of a barium tantalate photocatalyst on the photocatalytic activity of overall splitting of H_2O
GP19-111	Tomoaki Wato	CO_2 reduction over metal oxide photocatalysts with tungsten dronze-type structures using water as an electron donor
GP19-112	Chia-Chang Lin	Synthesis of ZnO/SnO_2 coupled photocatalysts in a rotating packed bed
GP19-113	Masato Takeuchi	Photocatalytic selective oxidation reaction of benzyl alcohol in aqueous solution on the heterogeneous polyoxometalate-based photocatalysts
GP19-114	Sang-Chul Jung	Assessment of microwave/UV/O_3 in the photocatalytic degradation of propylene gas
GP19-115	Takashi Kamegawa	Preparation of Macroporous TiO_2 Thin Film Photocatalysts Using PMMA Microspheres and Their Applications for Degradation of Organic Pollutants
GP19-116	Onuma Sirasuntorn	Preparation of metal oxide/layered silicate nanocomposites by heterocoagulation method and their photocatalytic properties
GP19-117	Siglinda Perathoner	Thin films based on vertically-aligned TiO_2 nanotubes as photoanode for PEC solar cells
GP19-118	Ho K. Shon	Photoactive Na-Titanate Nanospheres

GP19-119	Noriyuki Sugishita	Preparation of Decahedral Anatase Titania Particles with High-Level Photocatalytic Activity
GP19-120	Shuji Tanabe	Influence of photocatalytic activity on the shell thickness of Au core Pd shell nanoparticles supported on TiO_2
GP19-121	Yoshiteru Mizukoshi	Preparation of sulfur-doped TiO_2 photocatalysts by anodization and their catalytic activities
GP19-122	Jong-Ho Kim	Doping effect of titania produced from Ti-salt flocculated sludge of wastewater
GP19-123	Kuan-Chun Huang	Preparation of titania nanotubes by microwave-assisted hydrothermal treatment: the effect of alkali concentration
GP19-124	Seong-Soo Hong	Photocatalytic decomposition of methylene blue over titanium dioxides doped with yttrium ions prepared using low temperature combustion method
GP19-125	Hao-Cheng Chang	Preparation of hierarchical mesoporous TiO_2 films via two-step micro arc oxidation and DC magnetron sputtering techniques
RP19-126	Jianghong Zhao	Photocatalytic synthesis of 2,3-butanediol from ethanol and water solutions over TiO_2 nanoparticles with a high selectivity
RP19-127	Sadia Ameen	Polyaniline/MCM-41 nanocomposite for the degradation of methylene blue dye under visible light illumination
RP19-128	Young Ku	Effect of fluorine concentration on the formation and the photocatalytic activity of TiO_2 nanotube arrays fabricated by anodization
RP19-129	Akshat Tanksale	Conversion of cellulose to value added chemicals
RP19-130	Shingo Watanabe	The Enhancement of Royalty Free Metathesis Catalysts via Alkylidene and N-Heterocyclic Carbene Ligand Optimization
RP19-131	Nguyen Huu Huy Phuc	Selective oxidation of CH_3OH over MoO_3/SiO_2 catalyst
RP19-132	Xiang LI	Effects of strains of methanol decomposition on PdZn (100) surface: a DFT study
RP19-133	Chun-Wei Chen	A first principles study of enhanced platinum adsorption on nitrogen- and boron-assisted carbon nanotubes for fuel cell applications
RP19-134	Wonmo Kang	Surface coating of a novel cell-adhesive peptide on Titanium
RP19-135	Laurent C. PICCOLO	Operando study of iridium acetylacetonate decomposition on amorphous silica-alumina for bifunctional catalyst preparation
RP19-136	Yong Guo	Hydrogen production by aqueous-phase reforming of glycerol over Ni-B catalysts
RP19-137	Jorge Beltramini	Catalytically Enhanced Hydrogen Storage in Complex Nanocomposite Materials
RP19-138	Jung Yeop Lee	Preparation of Pt-carbon molecular sieve (Pt-CMS) through zeolite template method and its application to the electrode in PEMFC
RP19-139	Ki Baek Kim	The Effect of Support on Propane Combustion over Supported Pt Catalysts
RP19-140	Xiaohui Liu	Catalytic properties of Pt/Al_2O_3 catalysts in the aqueous-phase reforming of ethylene glycol: Effect of the phase of Al_2O_3 supports
RP19-141	Ye ZHANG	Improved selectivity of 2,6-dimethylnaphthalene by methylation of naphthalene with methanol over SAPO-11
RP19-142	Saet Byul Kim	Dehydration of D-xylose into furfural over SAPOs
RP19-143	Yanqin Wang	Synthesis of a Mesoporous Co-Al spinel and its Application as Solid Base Catalysts
RP19-144	Wenjie Xu	A novel mesoporous Pd/Co-Al spinel bifunctional catalyst for Aldol-condensation and following hydrogenation

RP19-145	Masayuki SHIRAI	n-Hexane steam cracking behavior over ZSM-5 catalysts
RP19-146	Nak Hyeon KIM	Catalytic evaluation of $La_{1-x}Sr_xCr_{1-y}Mn_yO_3$ in propane steam reforming at intermediate temperature
RP19-147	Wen-Chao Lee	Pretreatment Effects on Au/CeO_2 Catalyst for Water-Gas-Shift Reaction
RP19-148	Sang Tae Park	The investigation of water gas shift reaction(WGSR) activity of CO-rich coal gas with low-temperature shift catalyst using fluidized bed reactor.
RP19-149	Yongbo Kuang	NACOS With Nitroxide Radical Cocatalysts as an Efficient and Green Protocol for Selective Aerobic Oxidation of Alcohols
RP19-150	Soofin Cheng	CATALYTIC PROPERTIES OF CUBIC SBA-1 MESOPOROUS TITANOSILICATE PREPARED IN ALKALINE CONDITION
RP19-151	Chin-Chang Chen	PHASE CHANGE MATERIALS CONFINED IN ORDERED MESOPOROUS SILICA SBA-15

GP: General Poster Presentation, RP: Recent Research Report (RRR) Poster Presentation

GP19-001 - GP19-070: Room 107-108

GP19-071 - RP19-200: Room 204

GP20-001 - GP20-070: Room 107-108
IP20-071 - YP20-200: Room 204

Tuesday, July 20
(16:20-17:40 Preview of Ind. Posters), 17:40-19:40

No.	Name	Title of the Abstract
GP20-001	Sungkyun Park	Solvent-Free Microwave Promoted [3+2] Cycloaddition of Alkyne-Azide in Uniform CuO Hollow Nanospheres
GP20-002	Andrea Beck	Selective oxidation of glucose versus CO oxidation over supported gold catalysts
GP20-003	Marco Daturi	Methanol oxidation over Au/catalysts studied by operando IR spectroscopy: finding active sites, intermediate/spectator species and reaction mechanism
GP20-004	Weijie Ji	Core-shell structured Ni and Ru nanoparticles: very active and stable catalysts for the generation of COx-free hydrogen through ammonia decomposition
GP20-005	Hong He	Preparation of well-defined cubic platinum catalyst and carbon monoxide oxidation
GP20-006	Mikhail Sulman	Hydrogenation catalysts on the base of dendrimer-stabilized Pd nanoparticles
GP20-007	Masashi Taniguchi	Self-regenerative function of Cu-perovskite catalyst for automotive-emission control
GP20-008	Atsushi Ueda	Perovskite-type $(La_{0.7}Ba_{0.3})(Co_{0.776}Nb_{0.194}Pd_{0.03})O_3$ catalyst for NO reduction with hydrogen under NOx storage-reduction condition
GP20-009	Tsunenori Watanabe	Synthesis of Gallium-Aluminum Dawsonites and Their Crystal Structures
GP20-010	Masayuki Numata	Preparation of Ni/TiO_2 Catalyst with Bimodal Pore structures for hydrogenation reaction
GP20-011	Piyasan Praserthdam	Role of c-phase contents in nanocrystalline gamma-Al_2O_3 on the physiochemical and catalytic properties of Al_2O_3 and Pt/Al_2O_3 catalysts
GP20-012	K. Seshan	Anchoring ruthenium metal catalyst clusters on novel nanoscale structural elements in microreactors
GP20-013	Jianghong Zhao	Significant difference in catalytic performances between hydroxyl and carboxyl groups modified on carbon nanotubes
GP20-014	Tamer Zaki Sharara	Controlling the intercalation of cyanate anions in Zn-Al LDHs
GP20-015	Feng-Shou Xiao	Open mesoporous zeolites with improved mass transfer and catalytic properties
GP20-016	Yoshihiro Sugi	Synthesis of SSZ-60 and Catalytic Properties in the Alkylation of Biphenyl and Naphthalene
GP20-017	Jian Yao	Investigation of Catalytic Potentials of Two-Dimensional Molecular Space with Regular Pyridine groups
GP20-018	Hongxing Dai	Three-dimensionally ordered and wormhole-like mesoporous iron oxides: highly active catalysts for the combustion of acetone and methanol
GP20-019	Hongxing Dai	Novel solvothermal fabrication and visible-light-driven photocatalytic performance of mesoporous monoclinic $BiVO_4$ with an olive-like morphology
GP20-020	Yuan Liu	Macroporous monolithic copper modified with nano-ceria catalysts for CO preferential oxidation
GP20-021	Yumi Kodani	Synthesis and morphology control of novel organic-inorganic composites by polymerization in pores of bimodal porous silica
GP20-022	Zhen Zhao	A kind of new catalysts: Three-dimensionally ordered macroporous perovskite-supported gold nanoparticles catalysts for diesel soot combustion
GP20-023	Zhen Zhao	The preparation and catalytic performances of three-dimensionally ordered macroporous $LaCoO_3$-Co_3O_4 oxide mixture catalysts for diesel soot combustion
GP20-024	Noraini Hamzah	CATALYST OF OSMIUM SUPPORTED ON BENTONITE FOR THE

		SELECTIVE HYDROGENOLYSIS OF GLYCEROL TO 1,2-PROPANEDIOL
GP20-025	Wha-Seung Ahn	Synthesis and characterization of Ti-TUD-1 prepared using silatrane and titanium glycolate
GP20-026	Ryoji Takahashi	Synthesis of 3-butene-1-ol from 1,4-butanediol over indium oxide
GP20-027	Nenad Radic	Properties of PVA or PEG doped alumina coatings on stainless steel obtained by spray pyrolysis
GP20-028	Chun-Hsia Liu	Preparation of Au/TiO_2@SBA-15 nanocomposites for propene epoxidation by molecular oxygen
GP20-029	Tatsuya Mochida	Pd/TiO_2 catalyst for epoxidation of propylene in the presence of H_2
GP20-030	Ryota Nakashima	Pd-Au nanocolloid for Direct Synthesis of Hydrogen Peroxide by H_2 Oxidation
GP20-031	Esfir Sulman	Polymer-stabilized metal-containing nanoparticles in catalytic oxidation
GP20-032	Ichiro Yamanaka	Reactivity of Active Species Generated from Vanadium Carboxylate Catalyst with O_2 for Stereoselective Hydroxylation of Alkanes
GP20-033	Yun Hin Taufiq-Yap	The Significance of Nanosizing Vanadium Phosphate for Selective Catalytic Oxidation of n-Butane
GP20-034	Loong Kong Leong	Influence of the activation temperatures on silica supported VPO catalyst via wetness impregnation
GP20-035	Loong Kong Leong	The effect of Bi promoter on vanadium phosphate catalysts synthesized via sesquihydrate route
GP20-036	In Young Ahn	Performance of vanadia catalysts supported on SBA-15 and KIT-6 for oxidative dehydrogenation of propane
GP20-037	Zhen Zhao	Novel $NiMoVN/SiO_2$ nitride catalysts prepared by a single-step hydrogen thermal route for the selective ammoxidation of propane to acrylonitrile
GP20-038	Hongxing Dai	Single-crystalline mesoporous CaO supported binary Cr-V oxides: highly active catalysts for the oxidative dehydrogenation of isobutene
GP20-039	Zhen Zhao	The synthesis of molybdenum-incorporated SBA-15 mesoporous materials and their catalytic performances for the selective oxidation of ethane
GP20-040	Shigeru Sugiyama	Application of magnesium vanadates and calcium hydroxyapatite as a catalyst for the oxidative dehydrogenation of propane using microreactor
GP20-041	Xiao-Feng Guo	Dehydrogenation of ethylbenzene to styrene on Co, Ni and Pd/carbon nanotubes and nanofibers catalysts
GP20-042	Nguyen Huu Huy Phuc	Selective oxidation of CH_3OH over MoO_3/SiO_2 catalyst
GP20-043	Wen-Sheng Xia	A DFT Study upon Interactions between Superoxide Species on La-O Clusters
GP20-044	Heeyeon Kim	Effect of Pt particle size on electro-catalytic activity and durability of PEMFC catalyst
GP20-045	Yanglong Guo	Effect of the acid-base property of support on gas phase epoxidation of propylene over Ag-Cu/MOx/a-Al2O3 catalyst
GP20-046	Hong He	Influence of calcination temperature on the microstructure and activity of iron titanate catalyst for the selective catalytic reduction of NO with NH_3
IP20-071	Petr Sazama	Design of structure of zeolitic catalyst on a molecular level as a key to highly effective industrial processes
IP20-072	Ji Hoon Lee	Performance of Ag-promoted Pd/Al_2O_3 catalysts prepared by the electroless plating of Ag in the selective hydrogenation of acetylene
IP20-073	Yasunobu Inoue	A microreactor using acoustic wave effects and activation of $Sc(OTf)_3$-catalyzed aldol condensation reaction

IP20-074	Koichi Sato	Palladium membrane reactor heated by microwave radiation for hydrogen separation and hydrogenation
IP20-075	Koichi Matsushita	Development of BTX production technology from poly-aromatic compounds by
IP20-076	Makoto Toba	Hydrodeoxygenation of waste vegetable oil over sulfide catalysts
IP20-077	Masaaki Haneda	Catalytic performance of Ir/CeO_2 for $NO-C_3H_6-O_2$ reaction in a stoichiometric condition
IP20-078	Miho Hatanaka	Ideal Pt loading amount and Pt anchor site for Pt/CeO_2-based catalyst
IP20-079	Ai Suzuki	Anchoring effect of support metal oxides to Pt
IP20-080	Takashi Wakabayashi	Oxidation property of $Pt/La_{7.33}BaYSi_6O_{25.5}$ catalysts for hydrocarbon species
IP20-081	Moon Hyeon Kim	The formation of N_2O in the selective catalytic reduction of NOx by NH_3 over a commercial $V_2O_5-WO_3/TiO_2$ catalyst used at an oil-fired power plant
IP20-082	Marco Daturi	Reaction mechanism for NO removal on Ir-based catalysts
IP20-083	Ta-Jen Huang	An electrochemical-catalytic converter for emission control of lean burn engines
IP20-084	Sumio Kato	Preparation of pyrochlore-type $Ln_2Sn_2O_7$ (Ln=La, Nd, Y) supported precious metal catalysts for NO reduction
IP20-085	Asima Sultana	Selective catalytic reduction of NOx with NH_3 over different copper exchanged zeolites in the presence of decane
IP20-086	Junhua Li	Hydrocarbon Poisoning Mechanism on Fe/Zeolite for NH_3-SCR of NOx in lean burn engine
IP20-087	Deniz Uner	Photocatalytic NO Oxidation with TiO_2 and Storage in Cement Based Materials
IP20-088	Yasushi Ozawa	Catalytic decomposition of ammonia in simulated coal-derived gas over supported nickel catalyst
IP20-089	Jean-Francois LAMONIER	Oxygenated Volatile Organic Compounds Removal over Zr-Ce-Mn catalysts synthesized by sol-gel method
IP20-090	Thomas C.-K. Yang	Photocatalytic degradation of benzene using silver vanadates-loaded mesoporous silica
IP20-091	Motoyuki Sugano	Study on chlorine removal by glass powder upon liquefaction process of hydrothermally treated waste mixture containing plastics
IP20-092	Teh Long Lai	Preparation of a higher nickel oxide system for microwave-enhanced catalytic degradation of phenol
IP20-093	Chuan-Chun Huang	Preparation and Application of Magnetic Separation Catalyst on the microwave-enhanced catalytic degradation of 4-CP
IP20-094	Chia-Yuan Huang	Ozone degradation of phenolic compounds by microwave-enhanced catalytic process over copper oxide
IP20-095	Junhua Li	Complete oxidation of methane at low temperature with $Cr_xCo_{3-x}O_4$ catalysts
IP20-096	Ngoc Thuan Le	Pathways of phosgene formation during degradation of TCE and PCE in air
IP20-097	Wolfgang F. Hoelderich	New and cheap non zeolitic catalysts for the Beckmann rearrangement in the production of caprolactam and paracetamol
IP20-098	Dae-Won Park	Production of dimethyl carbonate from ethylene carbonate and methanol using ionic liquid grafted onto commercial silica
IP20-099	Hirofumi Konno	Development of a Compact Dehydrogenation System for Orgaic Chemical Hydride using a Micro-channel Reactor
IP20-100	Shou-Fu Cheng	Chemical Reduction of Chromium-contaminated Groundwater Remediation Using Zero-valent Iron Nanocatalyst
IP20-101	Seiji Fujihara	Development of DSS operation of water gas shift reaction on $Cu/ZnO/Al_2O_3$

		catalyst for residential fuel cell systems
IP20-102	Chun-Wei Chen	Enhanced platinum adsorption on nitrogen- and boron-assisted carbon nanotubes for fuel cell applications
IP20-103	Hizbullah Khan	Role of Contact time during Carbon Oxidation in the Presence of Platinum Nanoparticles
IP20-104	Hongxing Dai	Solvothermal fabrication and CO_2 adsorption behaviors of porous or nanosized $CaCO_3$ and MgO
IP20-105	Takahiko Takewaki	Novel water vapor adsorbent AQSOA-FAM for AHPand desiccant system
YP20-106	Noriko Kawakita	One-pot N-Alkylation of Primary Amines to Secondary Amines by Gold Clusters Supported on Porous Coordination Polymers
YP20-107	Mikuho Tamakake	Gold Nanoparticles Deposited on Periodic Mesoporous Organosilicas for the Solventless Aerobic Oxidation of Tetralin
YP20-108	Akifumi Noujima	Development of Hydrotalcite-supported Gold Nanoparticle Catalyst for Aerobic Oxidation of Alcohols under Mild Reaction Conditions
YP20-109	Junya Ohyama	In-situ Observation of Formation Process of Gold Nanoparticles by Quick XAFS Measurement
YP20-111	Ryoichi Otomo	Dehydration of xylose over microporous and mesoporous solid acid catalysts
YP20-112	Risa Yazawa	Mutational analysis of functional domains of an alkaline xylanase on the basis of its three-dimensional structure
YP20-113	Mohd Ambar Yarmo	Hydrogenolysis of glycerol to propanediol using supported bimetallic Ru-Os nano activated carbon catalysts.
YP20-114	Fei Wang	Influence of La_2O_3 morphology on Cu/La_2O_3 catalysts for transfer dehydrogenation of primary aliphatic alcohols
YP20-115	Masanori Hirano	Electrocatalytic Activity of Pd-based Alloy Nanoparticles Sputter-Deposited in Ionic Liquids
YP20-116	Takashi Harada	Preparation and catalytic properties of metal nanoparticle-mesoporous hollow carbon (core-shell) composite
YP20-117	Kana Kimura	Preparation of highly dispersed platinum catalysts on TiO_2 by using polymer protected-nanoparticles
YP20-118	Rajashree Chakravarti	Synthesis of highly basic mesoporous carbon and its superior catalytic activity in the conjugate addition of amines to alpha, beta unsaturated compounds
YP20-119	Quanyi Wang	Direct Synthesis of Hierarchical ZSM-5 and the Application in Catalytic Cracking of large Molecular
YP20-120	Satoshi Suganuma	Synthesis and Acid Catalysis of Sulfonated Porous Carbon
YP20-121	Jun Higuma	Characterization of Co_3O_4 in SBA-15;an active catalyst for CO oxidation at low temperatures
YP20-122	Fang Zhang	Self-Assembly: A General Approach towards Better Mesoporous Organometallic Catalysts for Aqueous-Medium Oragnic Reactions
YP20-123	Liu Ming	organic-SDAs-free RTH-Type Zeolite
YP20-124	Rika Kato	Citrate Method for Synthesis of Three Dimensionally Ordered Macroporous Metal Oxide Using PMMA as a Colloidal Crystal Template
YP20-125	Fumitaka Hayashi	Preparation of Silicon (Oxy)Nitrides with Regular Mesopore Structures
YP20-126	Saiko Akahane	Precise Modification of Mesoporous Silica with Trimethylsilyltriflate and Structural Analysis
YP20-127	Abhijit Krishna Adhikari	Hydrogen adsorption in Metal Organic Frameworks by hydrogen spillover

YP20-128	Hiroshi Mochizuki	The effect of crystal sizes of H-ZSM-5 on catalytic cracking of n-hexane
YP20-129	Satoshi Inagaki	Catalytic performance of thiol- or sulfonic acid-modified, delaminated MWW zeolite in the synthesis of bisphenol A
YP20-130	Florian Goeltl	Alkane Adsorption in Protonated and Na-Exchanged Chabazite - Compartin Different Ways to Model Van Der Waals Interactions
YP20-131	Tomoyuki Kitano	Structure and acid property of alumina-supported niobium oxide calcined at high temperatures
YP20-132	Young-Woong Suh	Effect of calcination temperature and phosphoric acid treatment on the activity of niobic acid in the conversion of cellobiose
YP20-133	Yutaro Ichi	Acid Catalyst Properties of Preyssler-type Phosphotungstatic Acid
YP20-134	Jung-Hyun Park	Low Temperature CO Oxidation over Cu-Mn Mixed Oxides
YP20-135	Kosuke Nakatani	Synthesis of layered W-V-O mixed metal oxide catalyst
YP20-136	Sukanya Pisduangdaw	One-step Synthesis of Pt-Sn-M/Al_2O_3 (M = K and Zn) Catalysts by Flame Spray Pyrolysis and Their Catalytic Behavior in Dehydrogenation of Propane
YP20-137	Akihiro Yoshida	Catalytic oxidation of aromatic alcohols and alkylarenes with molecular oxygen over Ir/TiO_2
YP20-138	Sunyoung Park	Direct synthesis of H_2O_2 from H_2 and O_2 over palladium catalyst supported on SO_3H-functionalized mesoporous silica
YP20-139	Ryo Ishimoto	Selective Oxidation of Organosilanes with Hydrogen Peroxide Catalyzed by a Divacant Lacunary Polyoxotungstate
YP20-140	Tomohisa Hirano	Efficient Selective Oxidation with Hydrogen Peroxide Catalyzed by a Novel Selenium-Containing Peroxotungstate
YP20-141	Sachie Moroi	Preparation of Pyridine-coordinated Ruthenium substituted Keggin-type Silicotungstate and High Valence Ruthenium in Silicotungstate
YP20-142	Rie Kaino	Additive effect of CeO_2 on the catalytic partial oxidation of methane over
YP20-143	Takeshi Konya	Mo_3VOx as unique high-dimensionally structured porous materials and selective oxidation catalysts
YP20-144	Yoon Sik Park	Performance of WOX-added Mo-V-Te-Nb-OX catalysts prepared from a solution containing formamide in propane oxidation to acrylic acid
YP20-145	Weixin Huang	Supported bimetallic Au-Pd nanocatalysts for CO oxidation: the role of surface metallic palladium atoms
YP20-146	Eden G. Mariquit	Catalytic activities of activated carbon-supported catalysts and manganese oxide catalysts for complete oxidation of xylene
YP20-147	Keisuke Yasuda	Complete Oxidation of Acetaldehyde on the Catalysts Based on Rare Earth Oxides
YP20-148	Fumiya Uni	Mutational analysis of a CBM family 5 chitin-binding domain of alkaline chitinase
YP20-149	Hancheng Zhou	Efficient kinetic resolution of rac-1-phenylethanol with immobilized Candida Antarctica lipase B in the medium of mono-ether functional ionic liquids
YP20-150	Md. Khorshed Alam	Ultra accelerated quantum chemical molecular dynamics study of surface reduction process of CeO_2(111) and CeO_2(110) by H_2
YP20-151	Huizhi Bao	Transitional metal-ions doped CeO_2 solid solutions: substituting-site doping vs interstitial-site doping, bulk doping vs surface doping
YP20-152	Zhihuan Weng	Preparation and catalytic performances of surface molecularly-imprinted Ru-complex catalysts for asymmetric transfer hydrogenation in water
YP20-153	Aram Kim	Highly Efficient and Reusable Copper-catalyzed N-arylation of

		Nitrogen-containing Heterocycles with Aryl Halides act given in up to two rows of text
YP20-154	Shoichiro Sueoka	Dehydration of Amides to Nitriles Catalyzed by Highly Effective Vanadium-Grafted Hydrotalcite
YP20-155	A Young Kim	Silver Nanoparticle Catalyzed for Selective Hydration of nitriles to Amides in Water under Neutral Conditions
YP20-156	Makoto Muranaka	New bifunctional homogeneous catalysts for the hydration of nitriles
YP20-157	Yasutaka Kuwahara	Synthesis of hydrotalcite-like compound from steel slag and its application as versatile base catalyst
YP20-158	Takayuki Kibata	Development of Novel Dendrimers Encapsulating Subnano Pd Cluster Catalysts as the Nanoreactors
YP20-159	Ali Ebshish	BENZENE NITRATION OVER NANO SILVER DOPED ANATASE TITANIA
YP20-160	Yusuke Mikami	Chemoselective Reduction of Nitroaromatic Compounds Using a Hydrotalcite-Supported Silver-Nanoparticle Catalyst under a CO Atmosphere
YP20-161	Hiroki Miura	Direct Arylation of Aromatic C-H bonds by Recyclable Solid Ru Catalysts
YP20-162	Takayuki Miyaji	Diphenylphosphino-functionalization of mesoporous silica using tripodal linker units
YP20-163	Yusuke Sasaki	Cu(I)-catalyzed Asymmetric Monoborylation of 1,3-Dienes: Easy access to Enantioenriched Cyclic Homoallyl- and Allylboronates
YP20-164	Hiroya Fukuda	Synthesis of half-titanocenes containing hapto-2-pyrazolato ligands, and their use in catalysis for olefin polymerization
YP20-165	Masayoshi Honda	Direct DMC formation with a combination of benzonitrile hydration
YP20-166	Mami Yokoyama	DFT calculation for Green Chemical Catalyst Supported on S-terminated GaN
YP20-167	Mami Yokoyama	DFT calculation for Pd catalyst Supported on S-terminated Au
YP20-168	Yoshinori Kaji	Preparation and Catalytic Application of Rhodium Complex Monolayers on Gold Surface via Diisocyanide Anchoring Moiety
YP20-169	Xiang LI	Adsorption of tetralin and hydrogenated intermediates; products on the (100) surfaces of Ir, Pt and Pd: A DFT study
YP20-170	Naruki Endo	CO hydrogenation over a hydrogen-induced amorphization of C15 Laves intermetallic compound $CeNi_2$
YP20-171	Iori Kikuchi	Naphthalene hydrogenation in presence of CO over $Pd/AlPO_4$
YP20-172	Farouq Ahmed	Influence of the Surface Hydrogen Vacancy for the Dissociative Adsorption of H_2 on Pd (111) Surface: A Quantum Chemical Molecular Dynamics Study
YP20-173	Keita Taniya	Influence of Preparation Condition on Selectivity for Hydrogenation of Crotonaldehyde over Silica-coated Pt Catalysts
YP20-174	Seok Ki Kim	Performance of Ag- and Cu-promoted Pd/Al_2O_3 catalysts prepared by the surface redox deposition of Ag or Cu in the selective hydrogenation of acetylene
YP20-175	Weixin Huang	Hydroxyls-induced low temperature CO oxidation catalyzed by large Au nanoparticles supported on SiO2
YP20-177	Tomoo MIZUGAKI	A Highly Efficient Synthesis of Alkyl Lactates from Triose using Reusable Aluminium-exchanged Montmorillonite Catalyst
YP20-179	Takashi Kondo	ATRP of methyl methacrylate using heterogeneous catalysts consisting of iminopyridine transition-metal complexes immobilized in fluorotetrasilicic mica interlayer
YP20-180	Young-Ki KIM	Alkali Metal Prompted TiO2-ZrO2 Catalysts for ODH of Diethyl-benzene Using CO2 as Soft Oxidant
YP20-181	Yong-Hwan MO	Synthesis of Melamine- and TCPP-PMO and its Catalytic Behavior on the Hydrogen Transfer and Oxidation Reaction
YP20-175	Weixin Huang	Hydroxyls-induced low temperature CO oxidation catalyzed by large Au

		nanoparticles supported on SiO2

GP: General Poster Presentation, IP: Industrial Poster Presentation, YP: Youth Poster Presentation

GP21-001 – GP21-070: Room 107-108

IP21-071 – YP21-200: Room 204

GP22-001 - GP22-070: Room 107-108
GP22-071 - YP22-200: Room 204

Thursday, July 22
(16:00-17:20 Preview of Ind. Posters), 17:20-19:20

No.	Name	Title of the Abstract
GP22-001	Seon-Ah JIN	Enhancement of Electrochemical Stability and Activity of Pt nanoparticles via Strong Metal-Support Interaction by Sulfur-Containing Ordered Mesoporous Carbon
GP22-002	Gabriele Centi	Biodiesel of 2nd generation by catalytic deconstruction of cellulose to 5-HMF and its catalytic upgrading with bioethanol
GP22-003	Esfir Sulman	Low-temperature catalytic pyrolysis of biomass using natural alumosilicates and synthetic zeolites
GP22-004	Jen-Yuan Wang	Nano-Size Catalyst-Enhanced Enzyme Electrode for Glucose Biofuel Cells
GP22-005	Chaiwut Nakweang	Biodiesel fuel production using activated carbon as heterogeneous catalyst
GP22-006	Jean-Francois Paul	Experimental and theoretical studies of the of direct deoxygantion mechanism
GP22-007	Zhanggen Huang	Reactivity of NH_4Cl on V_2O_5/AC catalyst for NO Reduction
GP22-008	Zhanggen Huang	Catalytic reduction of SO_2 with CO over V_2O_5/AC catalyst
GP22-009	Yanyong Liu	Synthesis of ethanol from syngas over Rh/$Ce_{1-x}Zr_xO_2$ catalysts
GP22-010	Aihua Chen	Ru-Modified Mesoporous Ni-Al Oxides for CO Selective Methanation: Performance and Characterization
GP22-011	Qing-qing Hao	Co-supported porous clay heterostructure for controlling the product distribution of Fischer-Tropsch synthesis
GP22-012	Joongjai Panpranot	Effect of milling on the formation of chi-alumina from gibbsite and its application as cobalt catalyst support
GP22-013	Xingdong Yuan	Catalytic Conversion of DME/Methanol to Propylene---Development of Ultra Stable Catalyst
GP22-014	Choowong Chaisuk	Roles of cobalt incorporation by FSP on the catalytic properties and the FTS activities of Co/ZrO_2
GP22-015	Sayaka Ishii	Development of iron-carbon complex catalyst for Fischer-Tropsch synthesis
GP22-016	Jo-Yong Park	Co_3O_4 nanocrystalline deposited Fischer-Tropsch catalysts : Cobalt size effect on catalytic activity and stability
GP22-017	Jai Hyun Park	Pb-substituted hydroxy-chloro aptite catalyst for oxidative coupling of methane
GP22-018	Chia-Min Yang	A double-templating synthesis of mesoporous PtRu/carbon nanocomposites as highly active anode catalysts for direct methanol fuel cells
GP22-019	Jae Sung Lee	Promoted Palladium on Tungsten Carbides as Platinum-free Anode Catalyst for
GP22-020	Eun Duck Park	A comparative study of the preferential CO oxidation over supported Ru catalysts
GP22-021	Sakae Takenaka	Carbon nanotube-supported Pd catalysts covered with silica for cathode in PEFC
GP22-022	Yongda Zhen	(La,Sr)(Ti,Mn)O_3/YSZ composite anode for direct utilization of hydrocarbon fuel in SOFCs
GP22-023	Hyun-Jong Kim	Stabilized cobalt species in polypyrrole matrix for oxygen reduction reaction in acidic media
GP22-024	Ren-Bin Lin	Effect of Chemisorbed Carbon Monoxide on Kinetics of Hydrogen Oxidation Reaction at Nafion-Coated Pt/C Rotating Disk Electrodes
GP22-025	Rou-Shan You	Deposition of PtRu nanoparticles onto nitrogen-modified carbon nanotubes as catalyst electrode for fuel cell application
GP22-026	Hyun-Jong Kim	Stability and activity of Au-decorated Pt surface for oxygen reduction reaction

GP22-027	Yong Li	Novel Ni catalysts for methane decomposition to hydrogen and carbon nanofibers
GP22-028	Chikara Saburi	Catalytic ammonia decomposition over supported Ni catalysts
GP22-029	Sitthiphong Pengpanich	Methane partial oxidation over CeO_2-NiO and CeO_2-ZrO_2-NiO mixed oxide catalysts
GP22-030	Ken Chiang	Hydrogen production by methane decomposition over ceria promoted iron catalysts
GP22-031	Kaoru Takeishi	Development of catalysts for direct synthesis of dimethyl ether from syngas
GP22-032	Jyotiprakash Yadav	A high catalytic active Pt film for hydrogen production in PEC
GP22-033	Kazuhisa Murata	Hydrocracking of jatropha oil under catalysts and hydrogen conditions
GP22-034	Zhen Zhao	Hydrotreating performance of FCC gasoline over the catalysts including zeolite L modified by different metals
GP22-035	Eun W. Shin	Dehydrogenation and Oxydehydrogenation of Propane over PtSn-rare-earth-doped Mesoporous Al_2O_3 Catalysts
GP22-036	Takeshi Furusawa	The effect of support on the catalytic performances of Pt based catalysts for the steam reforming of naphthalene/benzene
GP22-037	Nicolas Bion	Thermodynamics/experimental study of reforming of exhaust gas recirculation (REGR) on gasoline engines over Rh-supported catalysts
GP22-038	Xanthias Karatzas	Hydrogen generation from n-tetradecane and low-sulfur diesel over Rh supported on delta-alumina doped with ceria/lanthana
GP22-039	Chen-Bin Wang	Reforming of Ethanol to Produce Hydrogen over PtRuMg/ZrO_2 Catalyst
GP22-040	Nataliya V. Mezentseva	Catalytic properties of fluorite-like mixed oxides promoted by Pt in the dry reforming of methane at short contact times
GP22-041	Heesoo Kim	Development of high catalytic Cu based catalyst for the hydrogenation of carboxylic acid to alcohol
GP22-042	Natalia V. Mezentseva	Design and testing of structured catalysts for internal reforming of CH_4 in intermediate temperature solid oxide fuel cells (IT SOFC)
GP22-043	Sung M Kim	Hydrogenolysis of butyl butyrate over Cu/ZnO/Al_2O_3 catalyst
GP22-044	Man-Chien Chao	Catalytic Activities of Alcohol Transformation and the Related IR Studies over RRO and SZR Zeolites
GP22-045	Kazuhiro Takanabe	Steam Reforming of n-Dodecane over La-Modified Ni Catalysts for Hydrogen Production
GP22-046	Sitthiphong Pengpanich	Hydrogen production from steam reforming of glycerol over Ni/alpha-Al_2O_3 and Ni/$Ce_{0.75}Zr_{0.25}O_2$ catalysts
GP22-047	Yu-Chia Tseng	Autothermal reforming of methanol at low temperature
GP22-048	Keita Watanabe	Preparation of Mesoporous Ni-Fe/CeO_2-ZrO_2 catalyst by hard-template method
GP22-049	Hyun-Seog Roh	One step water-gas shift (WGS) reaction over supported Pt catalysts
GP22-050	Kuan-Fu Ho	Oxidative Steam Reforming of Ethanol over PtRu(Na, Mg)/ZrO_2 Catalysts
GP22-051	Hajime Iida	Analysis of deactivation on a Cu/ZnO based catalyst for water gas shift reaction at low temperature
GP22-052	Qi Zheng	Low-Temperature Water-Gas Shift Reaction on Au/FeOx: the Influence of Fe^{2+}/Fe^{3+} Ratios in Precursor Solution on the Catalytic Performances
GP22-053	Jong Wook Bae	Deactivation of Pt or Ru promoted Co/P-Al_2O_3 catalysts in slurry-phase Fischer-Tropsch synthesis
GP22-054	Jong Wook Bae	Effects of $Ce_xZr_{1-x}O_2$ admixed with Cu-ZnO-Al_2O_3 on the catalytic performance in methanol synthesis

GP22-055	Naonobu Katada	Ammonia IRMS-TPD method for analysis of acidic properties of oxide monolayer catalysts loaded on basic metal oxides
GP22-056	Hiroaki Munakata	Comparison of reaction mechanisms for oxidation of methacrolein to methacrylic acid over Keggin type catalysts, $H_3PMo_{12}O_{40}$ and $H_3PMo_{11}V(OH)O_{39}$
GP22-057	Satoshi Kamiguchi	Vapor-phase Beckmann rearrangement over halide cluster catalysts with weak Broensted acidity
GP22-058	Chandrashekhar V. Rode	Surface modification of bentonite clay with dodecatungstophosphoric acid impregnation: Application to hydroxyalkylation of p-cresol
GP22-059	Gaik-Khuan Chuah	KF/alumina: an effective catalyst for aldol condensation of citral with acetone
GP22-060	Atsushi Ishihara	Preparation of amorphous silica-alumina using the sol-gel method and its reactivity for a matrix in catalytic cracking
GP22-061	Kohei Kubo	Catalytic activity and light olefin selectivity in heptane cracking over HZSM-5 zeolite at high temperatures
GP22-062	Yong-Ki Park	Steaming and washing effect of P/ZSM-5 in catalytic cracking of naphtha
GP22-063	Teruoki Tago	Selective production of isobutylene from acetone over ion-exchanged BEA zeolites
GP22-064	Carole Lamonier	Specific tuning of acid/base sites in Apatite materials to enhance their methanol thiolation catalytic performances
GP22-065	Masato Kouzu	Solid base catalysis of calcined lime stone for a reaction to produce biodiesel
GP22-066	Hiromi Matsuhashi	Synthesis of Water Tolerant Solid Base of CaO covered with Al_2O_3
GP22-067	S. David Jackson	High activity solid base catalysts for alkenyl aromatic isomerisation
GP22-068	Sun-Jung Song	Preparation of amine-deposited heterogeneous catalyst by low temperature plasma deposition with amine monomers
GP22-069	Chung-Yuan Mou	Cytochrome c covalently immobilized on mesoporous silicas as a peroxidase: Orientation Effect
GP22-070	Yanglong Guo	Immobilization of penicillin G acylase on aldehydepropyl-functionalized mesostructured cellular foams
GP22-071	Qihua Yang	Supported organocatalysts for direct aldol reaction
GP22-072	Kei Murata	Syntheses and photocatalytic reactivities of Pd complexes containing bichromophoric moiety composed of polypyridyl ruthenium and aromatic compounds
GP22-073	Mark Saeys	Evaluation of phosphine ligands for Palladium-catalyzed aryl fluorination
GP22-074	Mark Saeys	Mechanistic Study of the CO Insertion Step in the Carbonylation of Aryl Halides
GP22-075	Yuki Hiroi	Catalytic tail-to-tail type dimerization of methyl methacrylate promoted by ruthenium(0) complex
RP22-077	Fen-Tair Luo	Synthesis of amphiphilic bis-NHC-palladium catalyst derived from caffeine and its applications in aqueous cross-coupling reactions
RP22-079	Hiep Ngo	Effect of secondary additives on ethanol synthesis from syn-gas using rhodium-iron catalysts
IP22-080	Yasumasa Takenaka	Selective synthesis of N-alkyl hydroxylamines by the hydrogenation of nitroalkanes using supported palladium catalysts
IP22-081	Weijie Ji	Pseudoboehmite derived Al_2O_3 supported Co-Cu modified Ni catalysts: highly efficient production of meta-xylenediamine via isophthalonitrile hydrogenation
IP22-082	Fereshteh Rashidi	Preparation and Characterization of Gamma-Alumina nano-rods with High Surface Area usable for Supported-Catalysts
IP22-083	Masaki Horikita	Development of Niobium-Iron Oxycarbonitride (NbFeCNO) Electrocatalyst
IP22-084	Tomoharu Oku	Development of an Alternative Greener Process Using a Novel Solid Catalyst for

		Simultaneous Production of Biodiesel Fuel and Glycerin
IP22-085	Hyun-Joong Kim	Development of Highly Active Ammonia Oxidation Catalysts with Extremely Low Formation of N_2O and NOx
IP22-086	Budianto Bijanto	Innovative Process for Producing Carbonic Acid Ester from CO_2
IP22-087	Jun Yoshihara	Improvements on Cu-ZnO methanol synthesis catalysts
IP22-088	Jung Han Ryu	Preparation of carbon nanotube supported molybdenum carbide catalysts for electrochemical oxidation and biphenyl hydrogenation
IP22-089	Tsutomu Fujita	The change of particle size of heteropolyacid salt
IP22-090	David W Johnson	Catalytic Reactions Between Methyl Propanoate and Formaldehyde on an Acid-Base Caesium on Silica Catalyst
IP22-091	Hwanam Kim	Development of DME reforming catalysts to generate H_2 as a LNT reductant
IP22-092	Choong-Kil Seo	De-NOx performance and durability of LNT and SCR combination system
IP22-093	Takashi Atoguchi	Density functional theoretical study on acidity of OH groups on SiO_2 surface
IP22-095	Kazuhiko Hagiwara	Characterization of Co-Mo-S structure on Co-Mo/Al_2O_3 hydrodesulfurization catalyst by ^{129}Xe NMR spectroscopy
IP22-096	Hiroyuki Seki	Development of Catalyst for Hydrodesulphurization of Vacuum Gas Oil
IP22-097	Takehisa Mochizuki	Characterization of the HDS active sites over NiMo catalysts by using FT-IR and TPD analysis
IP22-098	Makoto Harada	Autothermal reforming of kerosene over MgAlOx-supported Rh catalysts
IP22-099	Makoto Harada	Lanthanum Oxide Doped Nickel Steam Reforming Catalyst for Petrolem Gases
IP22-100	David L. Trimm	The selective hydrogenation of acetylene in the presence of carbon monoxide over Ni and Ni/Zn supported on $MgAl_2O_4$
IP22-101	S. David Jackson	Commercial Methanol Synthesis Catalysis: Effect of Acetic Acid Addition
IP22-102	Tamer Z. Sharara	Synthesis of perovskite $LaNiO_3$ nanocatalyst at low temperature using single reverse microemulsion
IP22-103	Joo Il Park	Characteristics on production of (alkyl) benzene from di-aromatic component over alumina modified zeolite
IP22-104	Ken Suzuki	Aerobic Oxidative Transformation of Primary Amines to Oximes Catalyzed by 1, 1-Diphenyl-2-picrylhydrazyl (DPPH) and Tungstated Alumina
IP22-105	Osama S.Y. Mohamed	Preparation of a selective and an efficient nanocatalyst for dehydrogenation reaction
IP22-106	So Hyun Lee	Synthesis of novel bimetallic trinuclear complexes and their cooperative effect in ethylene polymerization
IP22-107	Naomasa Sato	Synthesis of C1-symmetric azulenyl metallocenes and their application for propylene polymerization
YP22-108	Mohammed M. Bettahar	A Study on the Surface Properties of Non-Classical Pt/Ni Catalysts and its Influence on Aromatic Hydrogenation Reactions
YP22-109	Kiichi Fukuhara	Structural Characteristics and Catalytic Activities for Carbon Solid Acids Bearing SO_3H, COOH, and OH groups
YP22-110	Sitthiphong Pengpanich	The role of alkali loading on catalytic properties of hydrotalcite catalyst for esterification of fatty acid
YP22-111	Ahmed Bshish	$Na_2Si_2O_5$ SOLID CATALYST FOR THE TRANSESTERIFICATION OF ETHYLACETATE
YP22-112	Eva Diaz	Ethanol catalytic condensation over Mg-Al mixed oxides derived from hydrotalcites
YP22-113	Yong Tae Kim	Gas-phase dehydration of glycerol into acrolein over ZSM-5 catalysts

YP22-114	Yasushi Amada	Modification of Rh/SiO_2 with ReOx for the hydrogenolysis of glycerol to propanediols
YP22-115	Shun Nishimura	Preparation of highly active hydrotalcite catalyst for synthesis of glycerol carbonate from glycerol and dialkyl carbonates
YP22-116	Su Jin You	Liquid-phase dehydration of D-xylose over solid-acid catalyst
YP22-117	Sung M Kim	Conversion of sugar-derived aliphatic acids into their corresponding alcohols over Cu-containing catalysts
YP22-118	Atsushi Takagaki	An efficient production of 5-hydroxymethylfurfural and furfural from sugars using heterogeneous acid and base catalysts in one-pot
YP22-119	Mitsuru Koike	Additive effect of MgO to modified Ni catalyst on the catalyst stability in the steam gasification of wood biomass
YP22-120	Dong Min Sung	DME Synthesis via Methanol Dehydration over Nanostructured Alumina Catalysts
YP22-121	Toyokazu Tanabe	Characterization of cross-sectional microstructure and leaching behavior of Al-Cu-Fe quasicrystal for steam reforming of methanol
YP22-122	Sunhwan Hwang	Effect of calcination temperature of mesoporous xerogel alumina (XA) supports on methane production by hydrogenation of CO over Ni/XA catalysts
YP22-123	Shohei Tada	Development of Supported Ru catalysts for Selective CO methanation
YP22-124	Jeongnam Kim	Effect of Mesoporosity on Catalyst Longevity in Methanol-to-Gasoline Reactions
YP22-125	Jinzhe Li	Very beginning conversion of methanol to olefins over zeolites with different structure-hydrocarbon pool mechanism or methylation-cracking route
YP22-126	Hiroshi Yamazaki	In-situ FT-IR study on the reactivity of surface methoxy species on zeolite
YP22-127	Yuichiro Yamazaki	Effect of regeneration on the behaviors of long-term catalytic activity of ZSM-5 for neat dimethyl ether to olefin reaction
YP22-128	Tomoyuki Iwahashi	Methane direct reforming-Effect of difference of catalyst preparation-
YP22-129	Sachin S. Malwadkar	Unique catalytic property and characterization of Ni/ordered Ce_2Zr_2Ox (x=7-8) active for methane steam reforming
YP22-130	Say Yei Foo	Carbon deposition kinetics during glycerol steam reforming over $Co\text{-}Ni/Al_2O_3$ catalyst
YP22-131	Say Yei Foo	CO_2 reforming of methane on a $Co\text{-}Ni/Al_2O_3$ catalyst system
YP22-132	Okorn Mekasuwandumrong	Synthesis of Co/ZrO_2 nanopowders by flame synthesis and its application on CO hydrogenation reaction
YP22-133	Esther Shiyun Kok	La and Ru promoter influence on Co/Al_2O_3 Fischer-Tropsch catalysts
YP22-134	Sunho Jung	A computational study on the vibrational property of CO molecules on a large metallic surface
YP22-135	Atsunori Ono	NO reduction property of $(La,A)_{10}Si_6O_{26}$ solid solution (A=Ca, Sr, Ba) supported Pt catalysts
YP22-136	Soichiro Tsujimoto	Direct NO Decomposition on C-type Cubic Rare Earth Oxides Based on Y_2O_3
YP22-137	Won-Jong Hong	Direct NO decomposition over Ce-Mn mixed oxides modified with various metal species (alkali, alkaline earth, and noble metals) and their CO_2-TPD behavior
YP22-138	Christophe Dujardin	NO Reduction under Diesel Exhaust Conditions over Au/Al_2O_3 prepared by Deposition-Precipitation Method
YP22-139	Ryuji Ohta	Selective Catalytic Reduction of NO by Hydrocarbon -Activity of metal oxide physical mixture catalyst-
YP22-140	Riichiro Kimura	Characteristics of potassium supported on aluminosilicate for diesel soot combustion

YP22-141	Seiji Hamamoto	CeO_2 loaded praseodymium oxide doped with bismuth for diesel soot oxidation at low temperature: effect of CeO_2 particle size.
YP22-142	Fereshteh Rashidi	Aluminum Oxy-hydroxide nano-Fibrous: Controlling their Physicochemical Properties
YP22-143	Fereshteh Rashidi	Effect of Phosphor and/or Boron Addition on the Structure and Activity of the Active Phase of CoMoS/Nano-Alumina Supported Catalysts for Hydrodesulfurization of Gas-Oil
YP22-144	Takahiro Wada	Operando QXAFS of Ni_2P/MCM-41 about H_2S pretreatment.
YP22-145	Hiroko Ariga	The surface structure and reactivity of Ni_2P(10-10) surface
YP22-146	Seon-ah Jin	Enhanced Oxygen Reduction Electrocatalytic Activity of Palladium Supported on Conductive Oxide (SnO_2 and In_2O_3)-Carbon Composite Support
YP22-147	Hiroshi Matsumori	Improved durability of carbon-supported Pt catalysts for cathode in PEFCs by coverage with silica; Application of carbon black to support for Pt
YP22-148	Jing Zou	Preparation and Characterization of $PrBaCo_{2-x}FexO_5$+delta as Intermediate Temperature Solid Oxide Fuel Cell Cathodes
YP22-149	Vladimir Usoltsev	Design and characterization of IT SOFC with functionally graded cathode synthesized using advanced sintering techniques
YP22-150	Hiroshi Watanabe	Characterization of layered perovskite-type oxides as electrolyte for new alkaline fuel cell
YP22-151	Jungdeok Park	Synthesis and characterization of nano-size LSM-YSZ composite powders by in-situ technique
YP22-152	Byeong Sub Kwak	Hydrogen production from ethanol steam-reforming over K/Ni-Co loaded zeolite Y catalysts
YP22-153	Xu Long	Steam reforming of dimethyl ether over hybrid catalysts - insights into the synergetic effects between Cu/ZnO/Al_2O_3 and zeolite
YP22-154	Noritoshi Yagihashi	Preparation of Alumina-Supported Copper-Zinc Oxide Catalyst by Liquid-Phase Reduction Method for Fine Hydrogen Generator
YP22-155	Yuriko Osaka	Rhenium-supported mesoporous silica as a highly active catalyst for steam reforming of ethanol at or above 823 K
YP22-156	Viswanathan Arcotumapathy	Artificial neural network modelling of forced cycling operation between propane steam reforming and CO_2 carbon gasifier
YP22-157	Somsak Thaicharoensutcharittham	Steam refotming of acetic acid over Ni-based catalysts
YP22-158	Kihun Song	Comparative Study of Deactivation of Ni-YSZ Catalyst on Steam and CO_2 Reforming of Methane
YP22-159	Kazuki Shigedomi	Steam Reforming of CH_4 Coexisting H_2 by Using Hydrogen Permeating Membrane Reactor
YP22-160	Sujan Chowdhury	Synthesis and characterization of CuO/ZnO-Al_2O_3 catalyst washcoat with CeO_2
YP22-161	Natalia Mezentseva	Hydrogen production by steam reforming of ethanol over nanocomposite materials comprised of NiO/YSZ and complex oxides
YP22-162	Sung Bong Ha	Water-gas shift reaction in the presence of H_2S over supported Ni/Mo catalysts
YP22-163	Yingying Zhan	Water-Gas Shift Reaction Over CuO/CeO_2 Catalysts Synthesized via a PEG-assisted Route
YP22-164	Yu Horiuchi	Design of Photoluminescence Materials Utilizing Surface Plasmon Resonance of Size-controlled Silver Nanoparticles Prepared via Photo-assisted Deposition

YP22-165	Atsuhiro Tanaka	Novel visible-light-responding photocatalyst using absorption due to localized surface plasmon resonance: Au/CeO_2
YP22-166	Shinya Furukawa	Mechanism of Photooxidation of Alcohol over Cu/Nb_2O_5
YP22-167	Masaaki Yoshida	Photo-excited carrier transfer from GaN-Photocatalyst to Pt-cocatalyst for Hydrogen Evolution Studied by ATR-SEIRAS
YP22-168	Jinhui Yang	Roles of the dual-cocatalyst in the Pt-PdS/CdS showing exceptional high quantum efficiency for photocatalytic hydrogen production
YP22-169	Hayato Yuzawa	Reaction mechanism of NH_3 decomposition over Pt/TiO_2 photocatalyst
YP22-170	Ra Yoon Heo	Au-deposited TiO_2 and the efficiency on dye-sensitized solar cells
YP22-171	Dong yeong Kim	The photovoltaic efficiencies on dye sensitized solar cells assembled with nanoporous carbon/P-25 TiO_2 composites
YP22-172	Takafumi Arike	Coverage of multi-walled carbon nanotubes with titania nanoparticles for photocatalysts
YP22-173	Jiyeon Kim	Hydrogen production by photocatalytic destruction of methanol aqueous solution using a Ti impregnated WO_3 prepared in ascorbic acid condition
YP22-174	Xiu L. Wang	Correlation of trap states and carrier dynamics of TiO_2 with photocatalytic performances
YP22-175	Kazuya Imamura	Selection of hole scavenger for freen photocatalytic reduction of nitro aromatics
YP22-176	Takeshi Kimijima	Photocatalytic Activity of TiO_2 Nanoparticles Precisely Controlled in Size and Shape by the Gel-Sol Method
YP22-177	Insuhk Suh	Synthesis of Novel Porous Cr-Ti Mixed Oxides through the Wall Ion Exchange Method
YP22-178	Sho Kitano	Metal ion-loaded titanium oxide photocatalysts responding to visible light: Correlation between physical properties and photocatalytic activity
YP22-179	Yosuke Komai	Visible light response of nitrogen and sulfur co-doped TiO_2 photocatalysts
YP22-180	Fumiaki Amano	Photoexcited Electron Lifetime and Photocatalytic Activity of Bismuth Tungstate Particles
YP22-181	Donge Wang	Photochemical deposition of cobalt-based cocatalyst on $BiVO_4$ for oxygen production from water splitting
YP22-182	Takashi Hisatomi	Kinetic aspects of water splitting reaction on heterogeneous photocatalysts
YP22-183	Takayuki Nakamura	Preparation of fine particles of kesterite sulfides and their photocatalytic activity
YP22-184	Akihide Iwase	Enhanced Photocurrent on $BiVO_4$/Graphene Electrode Under Visible Light Irradiation
YP22-185	Ji Wook Jang	Self-photo-cleaning ZnS catalyst transformed from $ZnS(piperazine)_{0.5}$
YP22-186	Kiyotaka Nakajima	Selective Production of HMF from D-glucose over Bare and H3PO4-Treated Niobic Acid as Solid Acid Catalysts
YP22-187	Kee Young Koo	Novel Surface Pretreatment for Metal Structured Catalyst
IP22-188	Yanglong Guo	Gas-phase hydrogenation of maleic anhydride to r-butyrolactone over Cu-CeO2-Al2O3 catalyst

GP: General Poster Presentation, RP: Recent Research Report (RRR) Poster Presentation, IP: Industrial Poster Presentation, YP: Youth Poster Presentation

GP22-001 – GP22-070: Room 107-108

GP22-071 – YP22-200: Room 204