

## Index of oral presentation

ID	Present code	Presenter	Abstract title
469	S5-056-1130	Pei Yuan	Palladium supported on modified macroporous hollow silica for NBR hydrogenation
470	S6-034-1200	Emrah Ozensoy	Does bulk matter ? : controlling bulk oxygen vacancies enhances catalytic reactivity of perovskite surfaces
473	S5-120-1415	Shaoqing Jin	A Facile Organosilane-based Strategy for One-pot Synthesis of thin Ti-MWW Zeolite with High Catalytic Oxidation Performance
476	S6-034-1145	Gongxuan Lu	The inhibition of hydrogen and oxygen recombination and over-all water splitting over Pt-TiO <sub>2</sub>
477	S5-012-1000	Jong Wook Bae	A highly crystalline ferrierite-based bifunctional catalyst for syngas conversions
478	S6-110-1515	Kohsuke Mori	Design of nanostructured catalysts for hydrogen storage and release mediating formic acid/carbon dioxide
480	S7-070-1415	Chidambaram Mandan	Precious Metal Catalysis for Pharmaceutical, Fine & Agro Chemical Industries
482	S6-070-1000	Gang Fu	Enhancing the selective hydrogenation by interfaces
483	S6-012-1615	Pravin Upare	Nanoalloy Ru–Sn catalyst system for continuous production of n-butanol from biomass derived butyric acid
484	S6-110-1600	Takashi Toyao	Selective hydrogenation of carboxylic acid derivatives and CO <sub>2</sub> over TiO <sub>2</sub> -supported rhenium catalysts
486	S6-110-1100	Lei Huang	MOFs as precursor for low temperature NO-CO catalyst
488	S5-056-1145	Yasutaka Kuwahara	Hollow Silica Spheres Encapsulating Pd Nanoparticles and Aminopolymers as Efficient and Stable Heterogeneous Catalysts for Semihydrogenation of Alkynes
495	S6-090-1400	Osi Arutanti Arutanti	Synthesis of WO <sub>x</sub> nanoparticles and their catalytic properties to decompose rhodamine B
496	S5-056-0945	Takeharu Yoshii	Synthesis of Pd supported on graphene-coated Au nanorods catalysts for surface plasmon-enhanced reaction
501	S5-110-0945	Tolkyn Baizhumanova	Catalysts for the processing of light hydrocarbons into olefins
502	S5-110-1200	Shinya Masuda	Specific Mechanism of Ruthenium-Nickel Immiscible Alloy Formation on the TiO <sub>2</sub> Support and its Catalysis
503	S5-056-1045	Daiki Umemoto	Synthesis of pyrene-functionalized Pd nanoparticle catalyst on carbon support for semi-hydrogenation of alkynes
504	S5-056-0915	Yuya Futamura	Selective Synthesis of Deuterium Gases from Formic Acid and Tunneling Effect
506	S5-070-1100	Ching-Jung Chnag	Hard templating method using gallium-immobilized carbon nanotubes for the preparation of hierarchical ZSM-5 and its application in aromatization of methanol
509	S5-100-1100	Azizul Hakim Lahuri	Adsorption isotherms and kinetics studies of the CO <sub>2</sub> capture by using iron oxide impregnated on activated carbon
516	S5-120-1015	Fakhre Alam	The role of ligand architecture toward tri-/tetramerization selectivity in chromium(III) tridentate silicon-bridged diphosphines catalysts
518	S5-034-1000	Xiaojun Bao	Direct synthesis of hierarchical feuczsm-5 zeolite for selective catalytic reduction of NO by NH <sub>3</sub>
519	S7-100-1400	Kun Qian	Interface-stabilized Ce(III) species on silver nanocrystals
520	S6-070-1615	Swapna Gade	1,1,3,3 Tetramethylguanidine: a highly efficient catalyst in glycerol carbonate synthesis
521	S7-034-0945	Hamidreza Arandiyani	Flower-like LaNiAlO <sub>3</sub> -supported nickel catalysts for carbon monoxide methanation
522	S5-120-1400	Zhenshan Hou	A mononuclear tantalum catalyst with a peroxy-carbonate ligand for olefin epoxidation with compressed CO <sub>2</sub> as a trigger agent
527	S6-110-1430	Zhijie Wu	Hydrothermal synthesis of metal modified hierarchical ZSM-5 zeolite for alkene aromatization
532	S7-012-1445	Yuan (Helena) Wang	Lanthanum based perovskite as active and stable electrocatalyst for water splitting reaction
538	S7-070-1100	Shengfu Ji Shengfu	Preparation of MOF-808(Zr)-supported Au catalyst and their performance for n-methylation of CO <sub>2</sub> with aniline and H <sub>2</sub>

ID	Present code	Presenter	Abstract title
542	S5-110-1045	Hongwei Zhang	TiO <sub>2</sub> encapsulation of gold nanoparticles with different morphologies as photocatalysts for aerobic benzyl alcohol oxidation
545	S6-090-1115	Gaik-Khuan Chuah	Efficient visible light photodegradation of phenolic compounds and organic dyes by BiOBrNi <sub>1-n</sub> solid solutions
546	S5-110-1445	Stephan Jaenicke	Molecule-doped TiO <sub>2</sub> in photocatalysis
549	S7-090-0915	Kaori Sekine	Brand new approach to use of natural gas with novel catalysts
553	S5-110-1145	Kumer Saurav Keshri	The synergistic effect of gold nanoparticles, bismuth dopant and the morphology of ceria supports in catalysing aerobic oxidation of benzyl alcohol
558	S6-034-1115	Mingyue Lin	Efficient removal of ammonia by using niobium oxide supported gold catalyst with high nitrogen selectivity
559	S6-034-1430	Ting Wang	Pd-, Pt- and Rh- loaded (Ce, Zr, La) O <sub>2</sub> three-way catalysts: investigation on surface properties and dynamic oxygen mobility
561	S6-120-1345	Zhang Xing	AuPd/3 <sup>rd</sup> CeO <sub>2</sub> catalysts with good chlorine-resistant performance and catalytic stability in trichloroethylene combustion
562	S7-100-0945	Zhiquan Hou	Preparation of supported monodisperse palladium catalysts with highly catalytic performance for methane combustion
563	S6-034-1615	Wenbo Pei	Partially embedding Pt nanoparticles in the skeleton of 3 <sup>rd</sup> Mn <sub>2</sub> O <sub>3</sub> : an effective strategy for enhancing catalytic stability in toluene combustion
564	S5-110-1415	Kunfeng Zhang	Ru nanoparticles supported on 3 <sup>rd</sup> BiVO <sub>4</sub> with oxygen vacancies for photocatalytic selective oxidation of benzyl alcohol
568	S6-070-1145	Chengtao Wang	Product selectivity controlled by zeolite crystals in furfural hydrogenation over a palladium catalyst
571	S6-090-1000	Zhuo Han	Preparation and catalytic performance of AuPd <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> /3 <sup>rd</sup> MnCo <sub>2</sub> O <sub>4</sub> for methane combustion
573	S6-090-0915	Hongxing Dai	Porous transition metal oxide-supported noble metal alloy catalysts with high performance for VOCs oxidation
577	S6-012-1630	Nakka Lingaiah	The role of polyoxometalate catalysts in valorization of lignocellulosic biomass to chemicals and fuel additives
580	S5-110-1015	Lei Shi	Structure-reactivity correlation of boron nitride catalyst in oxidative dehydrogenation of light alkanes
581	S7-100-1000	Yang Wang	Methane activation over a boron nitride catalyst driven by in situ formed molecular water
582	S5-110-1000	Bing Yan	Metal-free silicon boride catalyst for oxidative dehydrogenation of light alkanes to olefins with high selectivity and stability
591	S5-012-1130	Subrahmanyam Challapalli	Syngas production by catalytic nonthermal plasma: influence of promoters
592	S6-012-1145	Choji Fukuhara	Auto-methanation of carbon dioxide: a novel route for CO <sub>2</sub> transformation over Ni-based catalyst
595	S7-034-1200	Bing Hui Chen	Design catalysts for catalytic wet air oxidation of ammonia
597	S6-000-1045	Maki Torimoto	Low temperature steam reforming of methane over palladium-zinc intermetallic catalysts in an electric field
599	S6-100-0945	Xue-Qing Gong	Activity and selectivity of oxidative coupling of methane on doped La <sub>2</sub> O <sub>3</sub> catalysts: a density functional theory study
602	S6-110-1115	Tingting Liu	The vital role of coordination sphere in metal-organic framework catalysts: a density functional theory study
608	S6-100-1515	Francesco Frusteri	Direct CO <sub>2</sub> conversion to DME: catalytic features controlling deactivation of hybrid systems
613	S7-070-1200	Muhammasd Sharif	Selective Palladium-catalyzed Synthesis of Diesters: Alkoxyacylation of a CO <sub>2</sub> -butadiene derived d-lactone
615	S7-056-1130	Max J. Huelsey	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation
619	S6-056-1615	Petr Sazama	Enhancement of relevant acid- and redox-catalysed processes using Al-rich beta zeolites
620	S7-056-1400	Anand Kumar	Cellulose assisted combustion synthesis of nanomaterials for catalytic applications
621	S5-012-1400	Tosapol Maluangnont	The potassium hexatitanate catalysts for the conversion of fatty acid to ketone and long-chain olefins

ID	Present code	Presenter	Abstract title
623	S7-110-1130	Anchu Ashok	Salt assisted combustion synthesis of novel perovskites for oxygen reduction and oxygen evolution reaction
626	S7-012-1400	Shibin Thundiyil	Evaluation of activity descriptors for electrochemical bifunctional oxygen catalysis of $\text{Ca}_2\text{Fe}_{1.9}\text{M}_0.1\text{O}_{5\pm\delta}$
629	S5-100-0930	Manussada Ratanasak	Exploring the enantioselective mechanism of palladium catalyst with polyquinoxaline ligands for asymmetric hydrosilylation of styrene
630	S7-034-1100	Yongfa Zhu	Supramolecular photocatalysts for pollutant degradation and tumor removal
637	S6-000-1100	Herma Dina Setiabudi	Robust Ni-based dendritic rod-like F-SBA-15 and spherical DFSBA-15 for methane dry reforming
638	S5-070-1445	Zongchao Zhang	The nature of active sites for selective hydrodeoxygenation of guaiacol to phenolics on Ni/anatase $\text{TiO}_2$ generated from cross surface migration of Ni and $\text{TiO}_2$ particles
639	S7-056-1345	Grigory Mamontov	Design of ceria-based catalysts with enhanced catalytic activity through the control of metal-support interaction
642	S7-012-1345	Shuhei Ogo	Low-temperature electro-catalytic oxidative coupling of methane over lanthanide-based catalysts
643	S7-100-0930	Carlo Giorgio Visconti	Highly active ruthenium catalysts for $\text{CO}_2$ methanation
644	S5-070-1145	Tursiloadi Sillvester	Preparation of $\text{CuO}$ catalyst supported by hierarchical zeolite for conversion of isoeugenol to vanillin
645	S7-000-0945	Nurul Asikin	Deoxygenation of jatropha oil over Ni-Fe coated MWCNT for green diesel production
649	S6-090-1130	Manasa Manjunatha	Photocatalytic degradation of ciprofloxacin and norfloxacin under solar light using boron-doped titanium dioxide catalysts synthesized by green EDTA-citrate method
653	S7-034-0915	Kuo-Tseng Li	Hydrogenolysis of succinic acid over Ru and Pd catalysts encapsulated in porous silica nanoparticles
654	S5-090-1330	Kentaro Teramura	Highly concentrated CO evolution for photocatalytic conversion of $\text{CO}_2$ by $\text{H}_2\text{O}$ as an electron donor
655	S5-110-1130	Yuji Kikukawa	Synthesis and oxidation catalysis of fluoride-containing polyoxovanadates
658	S6-012-1400	Mohd Sufri Mastuli	In-depth study of $\text{Mg}_{1-x}\text{Zn}_x\text{O}$ nanomaterials as new catalysts for gasification of biomass in supercritical water for hydrogen production
662	S5-012-1415	Srinivas Darbha	Selective deoxygenation of lipids to fuel-grade hydrocarbons
667	S5-100-0945	Marc Pera-Titus	Rational design of Lewis superacids leading to an unprecedented Ti(III) triflimide catalyst for the direct amination of alcohols
671	S5-012-1115	Le Thien An	$\text{CO}$ and $\text{CO}_2$ methanation over core-shell spinels $\text{mAl}_2\text{O}_4@x\text{M}$ ( $\text{m}=\text{Mn}, \text{Mg}, \text{Zn}$ ) supported nickel catalysts
675	S6-090-0930	Changbin Zhang	Insights into the activation effect of $\text{H}_2$ pretreatment on $\text{Ag}/\text{Al}_2\text{O}_3$ catalyst for the selective oxidation of ammonia
677	S5-110-0915	Zhao-Tie Liu	GaN as highly active, selective and stable catalyst for $\text{CO}_2/\text{O}_2$ oxidative dehydrogenation of propane
682	S5-012-1100	Xiaoyu Guo	Nano-capsule catalyst $\text{ZrO}_2@x\text{M}$ for enhanced liquid fuels synthesis via Fischer-Tropsch technology in slurry bed
686	S5-012-0945	Zhou Wei	Direct conversion of syngas to aromatics over bifunctional catalysts
690	S6-110-0915	Bunsho Ohtani	Design of heterogeneous photocatalysis based on energy-resolved distribution of electron traps
701	S7-070-1345	Qiuchen Yang	Enhancement of $\text{Mo}_2\text{C}$ stability in the selective hydrogenation of 1,3-butadiene by a hydrogen pre-activation carburization method
703	S7-070-0915	Fuwei Li	Endeavours to Achieve Synergic/Relay Catalysis in Homo- and Heterogeneous Reactions
704	S5-090-0930	Hisao Yoshida	Non-oxidative coupling of methane over gallium oxide photocatalysts in a flow reactor
706	S6-110-1130	Zi-Jie Gong	Transesterification of Glycerol and Dimethyl Carbonate over Magnesium Oxide-Loaded Metal-Organic Frameworks
707	S6-070-1430	Qing-Nan Wang	Direct, selective production of aromatic alcohols from ethanol using a tailored bifunctional catalyst

ID	Present code	Presenter	Abstract title
708	S6-070-1700	Kazuya Yamaguchi	Green amide production through catalytic formal oxygenation of amines
709	S5-034-1430	Hiroshi Yoshida	High turnover CO-NO reaction over rhodium overlayer catalyst
712	S5-034-1415	Vivek Kumar Patel	Effect of oxide supports on palladium based catalysts for nox reduction by H <sub>2</sub> -SCR
722	S6-000-1200	Indira Jeldybayeva	Syngas production by dry reforming of methane over Fe-Co based alumina supported catalysts
723	S7-110-0930	Pongkarn Chakthranont	Doped-carbon nanohorns catalysts for efficient electrosynthesis of H <sub>2</sub> O <sub>2</sub> from O <sub>2</sub> reduction
728	S5-100-1400	Rob Jeremiah Nuguid	Modulated-excitation raman spectroscopy of vanadia-based catalysts
731	S6-120-1000	Dnyanesh Vernekar	Water-enhanced surface basicity in FeO(OH) for the synthesis of pseudoionones (PS) and their analogues
733	S7-000-1000	Pachara Chintakanan	Production of bio-jet fuel from palm oil via deoxygenation and isomerization
738	S7-000-1100	Christophe Geantel	Hydroconversion of lignin aromatics production
739	S7-110-1430	Dnyanesh Vernekar	Multifunctional catalytic applications of metal oxyhydroxides
744	S6-034-1415	Yuichi Kamiya	Ceria-supported ruthenium catalyst for rapid reduction of perchlorate for water purification
746	S7-100-1415	Cong Fu	Interplay of surface structure and photoexcited charge in photochemistry of methanol on TiO <sub>2</sub> nanocrystals
752	S6-110-0930	Shoichi Somekawa	Preparation of TiO <sub>2</sub> /WO <sub>3</sub> quantum dots in porous silica and photocatalytic activity
755	S6-100-1345	Wangyin Wangyin	Biohybrid approaches for solar fuel production
757	S5-090-1145	Chunmei Ding	Significance of interface engineering and charge transfer for photoelectrocatalytic water splitting
759	S7-034-1130	Philip Anggo Krisbiantoro	What is the difference in reaction mechanism between in the presence of cobalt oxide and magnesium oxide for ozonation of ammonia nitrogen in water?
760	S7-056-1415	Rafael Lima Oliveira	Pd nanoparticles confined in mesoporous n-doped carbon silica supports: a synergistic effect between catalyst and support
762	S6-012-1045	Nolven Guilhaume	Dry vs. Steam biogas reforming: study of CO <sub>2</sub> and H <sub>2</sub> O adsorption competition
763	S7-034-1400	Natalia Candu	The direct catalytic synthesis of dicarboxylic acids from glucose
764	S6-100-1615	Hongman Sun	Dual functional catalytic materials for integrated CO <sub>2</sub> capture and conversion
767	S7-034-1345	Hsiang-Yu Shih	Fabrication of dispersing Co <sub>3</sub> O <sub>4</sub> and application in the abatement of CO
768	S5-034-0930	Changjin Tang	Vital role of pore size engineering in activating ammonium bisulfate decomposition for low temperature NH <sub>3</sub> -SCR application
770	S6-056-1400	Zile Hua	Synthesis of new large-surface-area ts-1 nanocatalysts and their catalytic performance
777	S7-000-0930	Rose Fadzilah Abdullah	Synthesis of carbon-based bifunctional catalyst derived for biodiesel production from waste cooking oil
779	S5-100-1345	Akira Yamakata	Mechanism of highly efficient Ga <sub>2</sub> O <sub>3</sub> based photocatalysts studied by time-resolved absorption spectroscopy
782	S5-110-1330	Shazia Sharmin Satter	Hydrophobicity of Pt Supported Over Mesoporous Silica: An Advantage to Low Temperature Ethylene Oxidation
783	S5-090-1200	Sang-Chul Jung	Effect of liquid phase plasma irradiation in hydrogen production by photocatalytic water splitting over sr <sub>2</sub> ti <sub>3</sub> photocatalysts
784	S6-012-1600	Jorge Beltramini	Efficient microwave assisted catalytic synthesis of 5-HMF using metal functionalized graphene oxide (GO) catalysts
786	S5-110-0930	Ryo Watanabe	Effect of co-supplying H <sub>2</sub> S on propane dehydrogenation pefomance of fe-based catalyst
787	S6-034-1515	Xiaolin Yu	Defective MnxZr1-xO <sub>2</sub> solid solution for the catalytic oxidation of toluene: insights into the oxygen vacancy contribution
791	S6-070-1530	Naoki Mimura	Continuous catalytic oxidation of glycerol into carboxylic acids in water solvent using liquid-phase flow reactor
795	S6-070-0930	Norsahida Azri	Effect of transition metals for production of 1,2-propanediol via catalytic hydrogenolysis of glycerol over dolomite supported catalyst
800	S6-056-1600	Hiroshi Yamada	Investigating gas diffusion phenomena in porous catalyst pellet based on characterizing micro-structure and evaluating diffusivity

ID	Present code	Presenter	Abstract title
806	S7-070-1000	Grazia Malta	In-situ study of single-site gold catalyst during acetylene hydrochlorination
808	S6-034-1530	Anna Rokicińska	Combustion of toluene over cobalt-modified MFI zeolite dispersed on monolith produced using 3D printing technique
809	S6-012-0930	Masaaki Kitano	Calcium amide supported ruthenium catalyst for low-temperature ammonia synthesis
810	S7-090-1045	Jifeng Pang	Upgrading ethanol to butanol: the catalyst development
811	S6-034-1130	Leilei Kang	Light enhancing combustion of light alkanes
812	S7-056-1200	Pussana Hirunsit	The Role of Dual Perimeter Catalytic Sites of Metal Supported on Metal Oxides
816	S6-034-1630	Zhiwei Wang	Mechanism study on catalytic oxidation of toluene over Pt/TiO <sub>2</sub> catalysts
819	S5-070-1400	Paresh Dhepe	Development of industrially relevant biomass valorization processes
820	S5-012-1015	Jingping Hong	C <sub>3</sub> N <sub>4</sub> -coated titania as support for cobalt-based catalysts in fischer–tropsch synthesis
825	S5-056-1200	Aiqin Wang	Selective hydrogenation over single-atom catalysts
833	S7-000-1015	Duangamol Tungasmita	Decarboxylation of oleic acid over metal catalysts supported on porous materials
834	S7-000-1130	Anjie Wang	Catalytic performance of bulk Ni <sub>2</sub> P, Ni <sub>12</sub> P <sub>5</sub> and Ni <sub>3</sub> P in aqueous-phase and oil-phase hydrodeoxygenation of phenol
835	S6-090-1045	Yuning Huo	Development of photocatalytic systems for organic pollutants removal and bacterial disinfection
841	S6-100-1130	Naonobu Katada	Lewis acidic nature of metal/zeolite and its role on catalytic activity for methylation / transmethylation of benzene ring
845	S5-110-1430	Sabine Valange	Supercritical CO <sub>2</sub> synthesized nanostructured TiO <sub>2</sub> grafted with Mo(vi)-dioxo complexes for enhanced photo-oxidation
846	S7-034-1145	Guiying Li	Application of mesoporous Fe/SiO <sub>2</sub> prepared from rice husk pyrolytic residues to the treatment of methylene blue
848	S6-100-1000	Atsushi Ishikawa	Density functional theory-based microkinetic analysis of oxidative coupling of methane catalyzed by pure and lithium-doped magnesium oxide
850	S7-100-1145	Heechae Choi	Economic discovery and processing optimization of commercializable functional materials using quantum mechanical computations
852	S6-100-1330	Xixi Ma	Rational design and synthesis of urchinlike alumina support for the hydrodesulfurization of siberian crude
855	S7-070-1400	Masazumi Tamura	Reaction mechanism of imine formation from alcohols and amines over heterogeneous cerium oxide catalyst
858	S6-120-1045	Xiaoyan Liu	Effect of ib-metal on Ni catalyst for selective hydrogenation of acetylene
859	S5-034-1145	Rui Qiu	Effect of oxide supports (CeO <sub>2</sub> , TiO <sub>2</sub> and SiO <sub>2</sub> ) on bimetallic Cu-Pd catalysts for the hydrogenation of CO <sub>2</sub>
861	S7-012-0930	Kyungsu Na	Hydrogenative CO <sub>2</sub> conversion using metal nanoparticles supported on metal oxide spinels having different acidity and basicity
866	S6-034-1545	Tatsumi Ishihara	High pressure torsion treatment for Y <sub>2</sub> O <sub>3</sub> on increased no direct decomposition activity
870	S7-090-1345	Yulia Vatutina	Investigation of joint influence of peptizing agents and boron on hydrotreating catalyst properties
874	S5-100-1415	Alexander Bedilo	EPR study of the surface active sites of operating catalysts
876	S7-012-1415	Stephane Streiff	Selective electrocatalytic oxidation of 5-hydroxymethyl-2-furfural to 2,5-furandicarbaldehyde via an electro-generative process
879	S6-090-1345	Varong Pavarajarn	Shifting in degradation pathway by controlling exposed surface of the photocatalyst: degradation of diuron and dca on zinc oxide
882	S5-056-0930	Ho-Hsiu Chou	Design of cycloplatinated polymer dots and effects of acceptor co-monomers for photocatalytic hydrogen evolution from water
885	S5-110-1400	Lingyun Zhou	Modulating catalysis from inside: embedding Cl ions enhance direct epoxidation of propylene
888	S6-034-1600	Junhua Li	Micro-nano regulation of ceria-based catalysts for toluene catalytic oxidation
893	S6-090-0945	Stéphane Siffert	Mixed oxides issued from hydrotalcite precursors for ethanol total oxidation

ID	Present code	Presenter	Abstract title
896	S5-120-1045	Daniil Nazimov	Effect of the k loading on the kinetic parameters of isobutane dehydrogenation over chromia/alumina catalysts
897	S6-012-1100	Qingxiang Ma	Methane dry reforming for syngas over nickel-based bimodal catalyst
899	S6-000-1115	Xinhua Gao	Directly preparation of the Mo/HZSM-5 hollow capsule catalyst and application in methane dehydroaromatization
903	S6-070-1600	Sanchai Kuboon	Simultaneous activation of copper mixed metal oxide catalysts in alcohols for gamma-valerolactone production from methyl levulinate
911	S6-120-1100	Changyong Sun	Effect of surface properties on the catalytic hydrogenation of maleic anhydride to succinic anhydride over the supported palladium catalysts
913	S7-090-1445	Utegenova Meruyert	The synthesis of heterogeneous catalysts from a mixture of natural and technogenic raw materials
914	S5-056-1100	Xiaohui He	A facile and versatile route to fabricate single atom catalysts with high chemo- and regio-selectivity in hydrogenation
917	S5-070-0945	Nicoletta Ravasio	Copper on silica: a versatile catalyst for platform molecules transformations
918	S7-000-1145	Swathi Mukundan	Highly active and robust Ni-MoS <sub>2</sub> supported on mesoporous carbon: a nanocatalyst for hydrodeoxygenation reactions
920	S7-056-0930	Girolamo Giordano	Ferrierite nanocrystals as selective catalyst in methanol to dimethyl ether reaction
922	S6-070-1015	Matthew Conway	Hydrogenation of cinnamaldehyde to dihydrocinnamaldehyde over Pd supported catalysts under mild conditions
923	S6-070-1545	Owen Rogers	The low temperature oxidation of Cyclohexanediol to adipic acid using vanadium bronze and Pt/C with molecular oxygen
924	S7-012-1130	Sourik Mondal	Copper based single atom alloy catalysts for the reverse water-gas shift reaction
926	S6-110-1345	Hitoshi Matsubara	Nature of cobalt species on MFI zeolite as Lewis acid and its role on direct methylation of benzene with methane
929	S7-056-0945	Liang Wang	Product Selectivity Controlled by Zeolite Crystals in Metal Nanoparticle Catalysis
931	S6-100-1415	Yujin Kong	Low temperature methanol decomposition over supported Pd-Au bimetallic catalyst for recovery of unused heat energy
934	S7-012-1200	Hajime Kawanami	High-pressure H <sub>2</sub> and CO <sub>2</sub> production from formic acid
937	S7-090-1100	Shinji Inagaki	Disproportionation of formic acid to methanol by iridium complex immobilized periodic mesoporous organosilica
944	S6-120-1430	Makoto Fukui	Deoxygenation of oxygen containing organic compounds over titanium(IV) oxide photocatalyst in aqueous suspension
945	S6-056-1545	Ryota Osuga	Investigation of the cation vibration of zeolites for understanding the confinement effect by using in-situ far-IR system
946	S7-090-1015	Young-Woong Suh	Stable dehydrogenation activity of mesoporous platinum-alumina catalysts
950	S7-070-1330	Kenji Wada	Effect of titania supports on the iridium-catalyzed synthesis of benzimidazoles
951	S7-012-0945	Takayuki Katagiri	Carboxylation of organic molecule by CO <sub>2</sub> with biocatalyst and double-electron reduced diphenylviologen derivative
952	S6-110-1545	Hyun-Seog Roh	Hydrogen production from waste-derived synthesis gas through high temperature water-gas shift reaction using Co-CeO <sub>2</sub> catalyst: effect of preparation methods
954	S7-090-0930	Juchan Kim	Plasma-assisted methane coupling to produce ethane over TiO <sub>2</sub> /macroporous silica catalysts
955	S7-090-1000	Jonghyun Jeon	Effects of Ga-Pt promotion on the performances and characteristics of microporous and mesoporous H-ZSM-5 catalysts for the aromatization from ethane
957	S5-070-1130	Haibo Zhuu	Pt clusters anchoring on Sn sites of Sn containing zeolite for propane dehydrogenation
959	S6-070-1115	Seungdo Yang	Effect of Cu addition to carbon-supported Ru catalysts on hydrogenation of alginic acid into sugar alcohols
964	S7-012-1330	Chanho Pak	Multifunctional non-Pt ternary anode catalyst by polyol method for reversal tolerant anode of automotive polymer electrolyte membrane fuel cell
971	S5-034-1445	Shinya Furukawa	Design of palladium-based alloy catalyst for highly active and selective NO reduction
974	S7-100-1430	Pradudnet Ketwong	Multi-electron transfer in photocatalytic oxygen evolution by titanium(IV) oxide particles

ID	Present code	Presenter	Abstract title
980	S5-070-1430	Lingaiyah Nakka	Selective hydrogenation and hydrodeoxygenation of biomass derived furan derivatives
981	S7-000-1415	Hyemin Yang	Effects of acids and pore structures on the condensation of furans using carbon-based acid catalysts for the production of diesel range fuel precursors
990	S6-110-1530	Kee Young Koo	CO <sub>x</sub> -free hydrogen production via ammonia decomposition over metal structured catalyst
1002	S7-090-1330	Fumihiko Kosaka	In-situ detection of carbon deposition on solid catalyst using microwave
1006	S6-000-0945	Masaharu Komiyama	One-path catalytic liquefaction of wet microalgae with supercritical methanol
1007	S6-100-1530	Kwang-Deog Jung	Synthesis of formic acid by CO <sub>2</sub> hydrogenation over supported hydrous ruthenium oxide catalysts
1008	S7-012-1430	Yuying Meng	Carbon-based nanomaterials as noble-metal-free electrocatalysts
1011	S6-012-1545	Phornwimol Siabbamrung	Solid acid catalyst prepared via one-step hydrothermal carbonization for production of 5-hydroxymethylfurfural in water/ $\gamma$ -valerolactone
1013	S7-034-0930	Zong We Chen	Synthesis and characterization of zero-valent iron nanoparticles for application on toxic explosives decontamination
1015	S6-090-1100	Guan Jun Huang	Degradation of rhodamine b by nanotubular ag@agcl@agi photocatalyst under visible light irradiation
1016	S6-012-1115	Phakampai Aunmunkong	Roles of fsp-made LabO <sub>3</sub> (b = Co, Mn, Zn, Cu) perovskite support on the catalytic properties of Ni/perovskite for dry reforming of methane
1018	S5-012-1345	Nutcha Jatuworapruerk	Biodiesel upgrading by partial hydrogenation of fatty acid methyl esters (H-FAME)
1020	S5-090-1045	Chaiyasit Phawa	Direct growth of single-crystalline anatase with systematically tunable facet on a conductive substrate as an efficient photoelectrode
1024	S7-056-1145	Takehiko Sasaki	Supported Metal Nanoparticles on Ionic Liquids functionalized SBA-15 as Active and Reusable Catalysts
1032	S7-056-1100	Shanshan Niu	Enhanced oxygen reduction by isolated nickel atoms anchored on pyridinic n dominated porous carbon
1034	S5-090-1130	Chih-Li Chang	Design and synthesis of cycloplatinated polymer dots as photocatalysts for visible light-driven hydrogen evolution
1036	S6-090-1415	Satishkumar Govindaswamy	Aluminium doped iron oxide nanoparticles in mesoporous carbon sphere derived from glucose: an efficient heterogeneous fenton catalyst for destruction of phenol in continuous reactor
1038	S7-110-1000	Iunia Podolean	Transition-metal binuclear complexes as new graphene-supported heterogeneous catalysts
1040	S6-070-1200	Sergey Ten	Pd-Bi nanoparticles immobilized in HSO <sub>3</sub> -substituted UIO-66 for cascade transformation of glycerol to lactic acid
1047	S7-000-1345	Cheng Yang	Conversion of molasses to sugar alcohols using a sponge nickel catalyst
1048	S6-100-1145	Jun Xu	Unravelling synergic effect in metal modified zeolite
1057	S7-012-1100	Sakhon Ratchahat	Structured Ni/CeO <sub>2</sub> catalyst with high tolerant towards fluctuated operation of CO <sub>2</sub> methanation
1061	S5-120-0945	Thang Le Minh	Rh-silp catalyst on different supports for the hydroformylation of ethylene for the hydroformylation of ethylene
1071	S7-090-1415	Edman Shik Chi Tsang	Tailoring stable and catalytically active transition metal species and metal clusters on surfaces
1075	S6-012-1445	Chandrashekhar Rode	Multifunctional catalysis for bio-refinery applications
1076	S5-090-1115	Kenji Toda	Photocatalytic water splitting of nanocluster synthesized by a novel soft chemistry
1080	S6-056-0930	Wontae Kim	Adjacent acid-base pair sites on silica surface created by hydrolysis of pre-anchored amide as an excellent catalyst for aldol condensation
1081	S6-100-1545	Kaisar Ahmad	Selective conversion of CO <sub>2</sub> to methanol over intermetallic Ga-Ni catalyst prepared through co-precipitation method
1082	S7-090-1115	Gayatri Kasar	Tunable properties of Ru-Ni nanoparticles for selective formation of GVL
1084	S7-034-1415	Xin Zhang	Continuous synthesis of carbonyl sulfide from simultaneous conversion of H <sub>2</sub> S and CO <sub>2</sub> over CoMoS catalysts derived from layered double hydroxides

ID	Present code	Presenter	Abstract title
1090	S7-056-1115	Tatiana Bugrova	Insights into formation of pt species in Pt/CeO <sub>2</sub> catalysts: effect of treatment conditions and metal-support interaction
1091	S5-034-0945	Naveed Husnain	Selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over ferric oxide catalyst
1092	S5-100-1015	Akkihebbal K. Suresh	Glycerol oxidation over supported palladium -- influence of mass transport limitations on reaction performance
1094	S5-100-1430	Mai Takashima	Light-intensity dependence analysis to uncover multielectron oxygen-reduction mechanism by platinum-loaded tungsten(vi) oxide
1095	S7-110-1045	Dieqing Zhang	Microwave synthesis of one-dimensional hierarchical heterostructured nanomaterials for environmental and energy applications
1096	S5-100-1115	Apichaya Theampetch	Kinetic scheme and elementary reaction analysis for microkinetic in Fischer-Tropsch synthesis over cobalt catalyst
1097	S7-000-1430	Nandan Date	Single pot selective hydrogenation of furfural to 2-methylfuran over carbon supported iridium catalysts
1102	S6-110-1615	Tetsuya Shishido	Hydrogen production from ammonia borane over supported palladium-gold alloy catalysts
1106	S7-012-1115	Qian He	Porphyrin-based Fe single atoms catalyst for oxygen reduction reaction
1110	S6-056-1345	Hiroyasu Fujitsuka	The synthesis of ZSM-5-encapsulated Rh fine particles and its application for methanol-to-olefin reaction
1115	S7-012-1000	Shin Hye Cho	Immobilization of zinc halide on the polymer resin and its application as a catalyst for the coupling reaction of CO <sub>2</sub> with propylene oxide
1117	S5-056-1430	Ashutosh Thakur	Development and high-throughput screening of solid catalysts for polyester synthesis
1118	S6-110-1630	Kamal Kishore Pant	Production and characterization of CNTs and understanding the hydrodynamics of direct decomposition of methane in fluidized bed reactor
1124	S6-012-0945	Katsutoshi Nagaoka	Composite-rare-earth oxide supported ruthenium catalysts for ammonia synthesis as hydrogen carrier
1127	S6-110-1000	Nhan Nu Thanh Ton	One-pot synthesis of TiO <sub>2</sub> /graphene nanocomposite for visible light photocatalysis
1131	S6-110-1330	Yu Cong	Fluoride-modified ZSM-5 for endothermic catalytic cracking of n-decane
1136	S5-070-1415	Boris Kuznetsov	Processes of heterogeneous catalytic oxidation for the production of chemicals from wood biomass
1143	S6-012-1130	Punampriya Borgohain	High pressure methanol steam reforming catalyst for membrane reformer application
1144	S7-070-1430	D T Gokak	Concept to commercialisation of indigenous catalyst in india: failure and success stories
1147	S6-056-1330	Jeong-Cheol Seo	Aerosol-assisted one-pot synthesis of mesoporous nickel-alumina catalyst for dry reforming of methane
1151	S6-110-1415	Dong Ju Moon	Hydrogen production by steam reforming of propane over promoted Ni/Y zeolite based catalysts for applications in the hydrogen station
1154	S7-110-0945	Geun-Ho Han	Effect of PVP on Pd/SiO <sub>2</sub> catalyst for direct synthesis of hydrogen peroxide from hydrogen and oxygen
1164	S7-056-1045	Yan Zhou	Structure of the catalytically active copper-ceria interfacial perimeter
1165	S7-070-0930	Veeranna Yempally	Hydrosilylation of carbonyl compounds employing manganese carbonyl complexes
1166	S7-110-1200	Jamil Malkawi	Molecular imprinting in the analysis of pharmaceutical molecules
1167	S6-100-1045	Sarawoot Impeng	Ethylene epoxidation on Mn-O site in N-doped graphene: a DFT study
1169	S6-100-1100	Bhanu Vardhan Reddy Kuncharam	CFD modeling and validation with detailed kinetics of nickel catalyst poisoning and mitigation during biogas steam reforming
1171	S6-012-1415	Srinivas Appari	Carbon tolerant catalytic monoliths for dry reforming of model biogas for hydrogen production
1172	S7-090-1400	Sreedevi Upadhyayula	Parametric optimization of methanol assisted methane activation over bifunctional Mo-Ga loaded MCM-22
1176	S5-110-1100	Chihiro Mochizuki	Effects of the size of nanoparticulate gold and their support on selective oxidation of furfural to furoic acid
1177	S5-120-1115	Sonit Balyan	Boron substituted hzsm-5 for improved catalyst stability in non-oxidative methane dehydroaromatization
1185	S5-034-1400	Huazhen Chang	Design strategies of novel catalysts for deNO <sub>x</sub> with excellent acid gas resistance

ID	Present code	Presenter	Abstract title
1186	S6-120-0930	T.C. Tsai	Stabilization with alkaline cation in mordenite hydrothermal stability and the improved catalytic performance in lab synthesis
1187	S7-000-0915	Nurul Aliana Nasharuddin	Production of diesel-like hydrocarbons from chicken fat oil via deoxygenation over MWCNTs supported bimetallic oxides catalyst
1194	S5-034-1200	Okorn Mekasuwandumrong	CO <sub>2</sub> hydrogenation over fsp-made cerium modified iron supported on alumina catalyst
1203	S5-120-1100	Nikita Dewangan	One pot facile synthesis of cobalt supported on Al <sub>2</sub> O <sub>3</sub> for propane dehydrogenation : effect of metal support interaction
1206	S7-110-1145	Yongsheng Li	Direct synthesis of mesoporous TS-1 zeolite supported metal or noble metal and its catalytic performance
1212	S6-100-1430	Andrey Chikunov	Fe(III), Co(III) and Cu (II) catalysts supported on zeolite matrix for effective water oxidation to dioxygen by [Ru(BPy) <sub>3</sub> ] <sup>3+</sup>
1213	S6-070-1645	Joseph Macginley	The Low Temperature Solvent-Free Aerobic Oxidation of Cyclohexene to Cyclohexene Diol over Highly Active Au/Graphite and Au/Graphene Catalysts
1214	S7-100-1100	Rusrina Salaeh	The role of Co <sub>13</sub> and Ni <sub>13</sub> supported on gamma-Al <sub>2</sub> O <sub>3</sub> for hydrogenation reaction in biomass conversion: theoretical insights
1217	S7-110-1400	Nikita Dewangan	A Platinum Manganese Catalyst Supported on Alumina for Direct Dehydrogenation of Propane: Low Temperature Reaction
1221	S6-090-1145	Akash Balakrishnan	Immobilized chitosan complexed TiO <sub>2</sub> for continuous photocatalytic degradation of 2,4 dichloro phenoxy acetic acid
1222	S6-056-0945	Oxana Taran	Self-propagating high-temperature synthesis of materials based on tungsten carbide for one-pot hydrolysis-hydrogenolysis of cellulose into ethylene glycol and 1,2-propylene glycol
1226	S6-012-1430	Ashokkumar Veeramuthu	Municipal wastewater treatment and bioenergy production from microalgae
1229	S6-070-1630	Shireen Singh	Mesoporous cobalt oxide for selective oxidation of ethylbenzene
1236	S6-034-1000	Ekasith Somsook	Facile synthesis of high performance iron oxide/carbon nanocatalysts derived from the calcination of ferrocenium for the decomposition of methylene blue
1238	S7-110-1100	Piyamit Toumsri	Facile preparation of magnetic mesoporous carbon acid catalysts via self-assembly method and their applications in conversion of xylose into furfural
1246	S6-100-1400	Ashish Unnarkat	Bimetallic catalysed decomposition of hydrogen peroxide – understanding support effect
1250	S7-110-1115	Suna Balci	In-situ mesoporous silica pillared clay synthesis and effect of titanium and iron incorporation to structural properties
1252	S6-110-0945	Dai Mochizuki	Alternate layered nanostructures by spontaneous assembly of inorganic nanosheets and their photocatalytic application
1258	S5-090-1100	A. R. Mahammed Shaheer	Design and constructing electrostatic self-assembly of porous Ru/Co <sub>2</sub> O <sub>4</sub> nanorods on g-C <sub>3</sub> N <sub>4</sub> tubes as PN-junction photocatalyst for efficient durable photocatalytic hydrogen production
1260	S7-090-1130	Md Imteyaz Alam	Template free synthesis and enhanced effect of ordered titania for the ring opening and decarboxylation of biomass derived 2-pyrone
1261	S7-110-1415	Zhiguo Yan	DFT+U study on adsorption of CO on the surface of β-MnO <sub>2</sub>
1262	S5-070-1115	Kittisak Choojun	Selective ethylene production from ethane conversion over gallium catalysts: the role of confinement and surface functional group of supports
1266	S5-100-1000	Bo-Qing Xu	Keys to the selectivity control of Au-catalyzed oxidation of glycerol in water
1269	S5-100-1130	Tanasan Intana	Kinetic study of furfural hydrogenation to furfuryl alcohol over copper aluminate spinel catalyst
1278	S6-090-1200	Peter Kelly	Photocatalytic bismuth oxide coatings and their potential for water treatment applications
1297	S6-070-1415	Inthira Kaewsukprasit	Liquid phase dehydration of ethanol to diethyl ether over γ - and χ - mixed phase alumina catalysts
1298	S6-034-0945	Astha Singh	Evaluation of optimal conditions for photocatalytic degradation of chlorhexidine digluconate using response surface methodology
1299	S6-056-1000	Pingping Wu	Highly selective Au-Pt bimetallic catalyst for benzyl alcohol oxidation
1300	S5-090-1345	Fuxiang Zhang	Z-scheme overall water splitting by particulate photocatalysis under visible light irradiation

ID	Present code	Presenter	Abstract title
1301	S5-110-1345	Gao Li	Au Clusters for Oxygen Activation and Aerobic Oxidation
1302	S6-110-1400	Yusuke Kunitake	Oxidative conversion of methane over metal-containing zeolites
1303	S6-090-1430	Eagambaram Murugan	Dendrimer grafted poly(vinylimidazole) microbeads stabilized with au/pd nanoparticle catalysts for effective degradation of rhodamine b
1308	S5-120-0930	Suphitchaya Kitphaitun	Synthesis of aryloxo-modified half-titanocenes as highly active ethylene (co) polymerization catalysts
1311	S5-120-1000	Tatsuki Nagata	DMF-protected ruthenium nanoparticles catalyst for b-alkylation of alcohols
1312	S6-100-1200	Yingxu Wei	Cavity-controlled methanol to olefins reaction and diffusion over 8-mr and cavity-type zeolite and SAPO catalysts
1314	S6-012-1200	Naresh Gutta	Synthesis of rice husk derived nano silica supported nickel for the production of pure hydrogen by catalytic methane cracking
1315	S5-120-1345	Mikhail Salaev	Towards the understanding of promoting effects of Re, Cs and Cl promoters for silver catalysts of ethylene epoxidation: a computational study
1317	S5-110-1115	Olga Vodyankina	Effect of substituent nature in organic linker on catalytic activity of UIO-66 in selective oxidation of propylene glycol
1321	S6-090-1330	Yulia Belik	Synthesis and study of composite photoactive materials based on bismuth silicates
1324	S5-090-0945	Jingying Shi	Photoelectrocatalytic reduction of oxygen with high selectivity of two-electron towards efficient synthesis of H <sub>2</sub> O <sub>2</sub>
1325	S6-120-1145	Shuhan Wang	Solvent effect on the selective hydrogenation of NBR over silica supported palladium catalyst
1326	S7-090-1145	Yan Guo	Selectively catalytic hydrogenation of styrene-butadiene rubber over Pd/g-C <sub>3</sub> N <sub>4</sub> catalyst
1327	S7-090-1430	Bingqing Ge	Di-ionic acidic ionic liquid as a green and highly efficient catalyst for isomerization of n-hexane
1329	S6-120-1415	Feng Shi	Construction of supported copper/nickel catalysts for selective transformation of glycerol to value added N,O-containing functional molecules
1330	S5-120-1130	Ruimao Hua	Formation of multi-fused ring via catalytic annulation of alkynes
1336	S5-034-1115	Nur Umisyuhada Nor	Glucose as promoter for charge carrier separation of graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) in photocatalytic reduction of carbon dioxide into methanol
1337	S7-000-1115	Sansanee Totong	Catalytic depolymerization of bagasse-derived lignin over sulfided renimo catalysts
1338	S6-100-1600	Manideepa Sengupta	Copper oxide anchored covalent organic frameworks for efficient CO <sub>2</sub> cycloadditions under ambient conditions
1339	S5-120-1330	Shuang Gao	Reaction-controlled phase transfer catalysis for epoxidation of allyl chloride
1351	S7-070-0945	Tatsuya Tanaka	DMF-protected Fe-Pt bimetallic nanoparticles as catalyst for olefin hydrosilylation
1355	S5-056-1445	Petra Keijzer	Supported silver catalysts prepared via melt infiltration: synthesis, characterization and catalytic performance
1356	S6-120-1330	Oz M. Gazit	Understanding structure function relationship in the Mn-NaWO <sub>4</sub> /SiO <sub>2</sub> catalyzed oxidative coupling of methane
1358	S6-012-1530	Wanwitoo Wanmolee	Lignin conversion into bioaromatics using Fe <sub>2</sub> O <sub>3</sub> /H-USY and Fe <sub>3</sub> O <sub>4</sub> /K-feldspar catalysts
1359	S5-090-1015	Keisuke Awaya	Photoelectrochemical properties of well-structured TiO <sub>2</sub> /Ni(OH) <sub>2</sub> nanosheet PN junction crystal.
1360	S5-012-1145	Waqar Ahmad	Polyoxymethylene dimethyl ethers (POME) production via methanol mediated carbon oxides (CO <sub>x</sub> ) hydrogenation over ruthenium catalysts
1361	S5-090-1000	Chu Wei Hsu	Preparation and photocatalytic activity of M-loaded (M: Ni, Cr) Ca <sub>2</sub> Nb <sub>3</sub> -xRh <sub>x</sub> O <sub>10</sub> nanosheet
1362	S7-012-1145	Loong Kong Leong	Mechanistic understanding of sequential adsorption and methanation of CO <sub>2</sub> using Ni-Cao/Al <sub>2</sub> O <sub>3</sub> and Ni-Na <sub>2</sub> CO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> as dual function materials
1365	S6-070-1130	Miho Kimura	Highly efficient hydrogenation of amides under mild conditions using Rh-Mo bimetallic catalyst
1366	S5-056-1115	Hiroya Ishikawa	Cobalt phosphide nanorod as an air-stable catalyst for hydrogenation of furfural derivatives
1367	S7-000-1400	Penghui Yan	Role of promoters during Ni-catalysed hydrodeoxygenation of guaiacol
1369	S6-012-1000	Tuan Doan	Copper-iron bimetal ion-exchanged SAPO-34 for NH <sub>3</sub> -SCR of NO <sub>x</sub>

ID	Present code	Presenter	Abstract title
1372	S7-000-1445	Peter Makgwane	Nano-hybrid metal-carbon composite catalysts for oxidation of furans to renewable dicarboxylic acids
1373	S6-056-1415	Nynke Krans	Investigating the growth of titania supported colloidal iron oxide nanoparticles during reduction
1378	S5-120-1430	Haseena K. V.	Mechanistic insights into metal catalyst deactivation from biogenic impurities in integrated bio and chemo catalytic processes
1379	S6-120-1115	Sureeporn Saknaphawuth	Aqueous-phase selective hydrogenation of furfural to furfuryl alcohol over Pt-incorporated ordered mesoporous carbon
1380	S5-070-1000	Remco Dalebout	The effect of zn <sub>2</sub> o <sub>3</sub> promotion and syngas composition on Cu/C-catalyzed methanol synthesis
1381	S6-070-0945	Patcharaporn Weerachawanasak	Liquid-phase selective hydrogenation of furfural to furfuryl alcohol over bimetallic Ni-Cu/SiO <sub>2</sub> catalysts
1382	S7-090-1200	Pittawat Sukkeaw	Production of C <sub>4</sub> and C <sub>8</sub> alcohols from ethanol using MgO incorporated faujasite catalysts
1384	S7-012-1045	Jijie Wang	A highly selective and stable ZnO-ZrO <sub>2</sub> solid solution catalyst for CO <sub>2</sub> hydrogenation to methanol
1385	S5-090-1400	Nor Aishah Saidina Amin	Carbon dioxide reduction over Ag-modified PCN-TiO <sub>2</sub> nanocomposite in a photocatalytic monolith reactor
1386	S5-056-1345	Jim Kabenla Mensah	Synthesis and catalytic evaluation of hierarchical MCM-22 zeolites
1387	S5-120-1200	Xiu-Jie Yang	Visible-light-catalytic dehydrogenation of benzylic alcohols coupled with hydrogen evolution
1388	S6-070-1400	Natthida Numwong	Conversion of ethanol to high value alcohols over MgO based catalysts
1392	S7-110-1345	Nattaphon Hongrutai	Influence of alumina loading in the Propene Self-Metathesis using tungsten oxide catalysts supported on SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub>
1394	S6-120-1130	Pimchanok Nakchuai	Study on reaction process and mechanism of photocatalytic hydrogenation of nitroaromatic to aniline in alcohol solution
1396	S6-000-0930	Manh Linh Le	Effect of alkali and alkaline earth metals on pyrolysis characteristics and kinetics of $\alpha$ -cellulose
1401	S6-070-1445	Wei Xia	A Combined Experimental and Theoretical Study on Ethanol Conversion to Propylene over Y/ZrO <sub>2</sub> Catalyst
1403	S6-120-0945	Zhe Wang	Synthesis of Non-Metallic Heteroatom Doped Mesoporous Activated Carbon Beads as Heterogeneous Catalytic Oxidations
1404	S6-110-1145	Yanjing Hu	Improved catalytic performances of the bimetallic organic framework for cascade reactions
1405	S6-056-1630	Chanon Auepattana-Aumrung	Effect of cobalt on Na-ZSM-5 and H-ZSM-5 in 1-butene cracking reaction
1408	S6-034-1400	Abdul Hanif Mahadi	Effect of Cr doping in CeO <sub>2</sub> nanostructures on UV and H <sub>2</sub> O <sub>2</sub> assisted advanced oxidation processes for wastewater treatment
1412	S5-034-1130	Zelong Li	Direct conversion of carbon dioxide to lower olefins and aromatics over tandem catalysts
1413	S7-034-1115	Akawat Sirisuk	Effect of calcination conditions and reducing agent used on the photocatalytic degradation of methyl orange over black titanium dioxide
1414	S7-034-1045	Seok Kim	Electrochemical activation of nickel oxide catalyst for degradation of aqueous pollutants
1415	S7-100-1130	Supareak Praserttham	A theoretical analysis on the coke-resistance of noble metal-based catalysts in the dry reforming reaction of methane
1417	S7-100-1115	Mongkol Lerdpongsiripaisarn	Effects of coking on the stability of the monometallic and bimetallic Ni-Co system during the dry reforming reaction of methane: a density functional theory analyses
1419	S5-090-1415	Sureena Abdullah	Rare earth-doped titanium dioxide as the potential photocatalysts for syngas production: ambient environment photo-reforming process
1424	S7-090-0945	Zhou Yanliang	Enhanced selectivity of Ni-Al mixed oxides with isolated oxygen species for oxidative dehydrogenation of ethane with nitrous oxide
1430	S6-056-1015	Hamed Mootabadi	Catalytic conversion of cellulose into polyols over mesoporous catalyst
1431	S6-120-1400	Pawaphat Sartsri	Effect of acidity of metal oxide supported on zirconium oxide catalyst via ketonic decarboxylation of methyl stearate
1436	S6-120-1445	Rolf Beerthuis	Disentangling promoter, support and particle size effects in methanol synthesis

<b>ID</b>	<b>Present code</b>	<b>Presenter</b>	<b>Abstract title</b>
1440	S6-110-1200	Poomiwat Phadungbut	Molecular analysis of argon adsorption and porous properties of soc-MOF pre-adsorbed with nonpolar and polar fluids
1443	S5-012-1200	Sandeep Kumar Lakhera	Self-doped Ti <sup>3+</sup> anatase-brookite mixed phase TiO <sub>2</sub> supported by reduced graphene oxide for efficient H <sub>2</sub> production
1445	S7-070-1115	Lin He	Catalytic carbonylation of olefins with carbon dioxide
1447	S5-120-1145	Sung-Hoon Kim	Highly Enhanced Butenes Selectivity and Stability by K Addition to PtCu/alumina for n-Butane Dehydrogenation