P1 - POSTER SESSION 1 - CH (Hallway) – 02/06/2025		
Nr.	Presenter	Title – Authors - Affiliations
1	Asad Asadli	*Development of Catalyst Bed Concepts for Induction Heating for Emission Control* Asad ASADLI*,1, Paolo DOLCET2, Vishrant KUMAR3, Alexis BORDET3, Silvia GROSS2, Moritz WOLF1,4 1Karlsruhe Institute of Technology, Institute of Catalysis Research and Technology, Hermann-von-Helmholtz-Platz 1, Eggenstein-Leopoldshafen, Germany. 2 University of Padova, Department of Chemical Sciences, Via Francesco Marzolo 1, Padova, Italy. 3 Max Planck Institute of Chemical Energy Conversion, Stiftstrasse 34-36, Mülheim an der Ruhr, Germany. 4 Karlsruhe Institute of Technology, Engler-Bunte-Institut, Engler-Bunte-Ring 7, Karlsruhe, Germany.
2	Rizwan Asghar	*Optimizing Performance of Ce/Zr/Pr-based Gasoline Soot Oxidation Catalysts by Mechanochemical Synthesis* Rizwan Asghar1, Carla de Leitenburg1, Rudy Calligaro1, Alessandro Trovarelli1 1University of Udine, DPIA, Udine, Italy
3	Dorsaf Bouazzi	*DFT Insights and Experimental Evaluation of MnCeOx/HAP Catalysts for Efficient Phenol Degradation in CWAO* D. Bouazzi*1,2, A. Cajumi1,2, M. Samperi2, F. Randazzo2, G. Bonura2, C. Cannilla2, F. Arena1,2 1Dipartimento di Ingegneria, Università degli Studi di Messina, Viale F. Stagno D'Alcontres 31, I-98166 S. Agata (Messina), ITALY. 2 Istituto CNR-ITAE ''Nicola Giordano'', Via Salita S. Lucia 5, I-98126 S. Lucia (Messina), Italy.
4	Rachele Braido	*Recyclable Ni@Al2O3 catalyst for Dry Reforming of Methane* Rachele BRAIDO*,1, Giulia DA PIAN,1 Irene MARTIN,2 Giuseppe CRUCIANI,3 and Michela SIGNORETTO1 1 Department of Molecular Sciences and Nanosystems, Ca' Foscari University of Venice, and INSTM RUVe Via Torino 155, 30172-Venezia, Italia 2 Functional Nanosystems, Italian Institute of Technology (IIT), Via Morego 30, 16163 Genoa Italy, and Department of Applied Science and Technology, Politecnico di Torino, Corso Duca degli Abruzzi 34, 10129 Turin Italy 3 Department of Physics and Earth Science, University of Ferrara, Via Saragat 1, 44122-Ferrara, Italia
5	Nourrdine Chaouati	*withdrawn*
6	Wei-Yu Chen	*Development of Multi-Emission Fluorescent Carbon Dot-Polyester Composites for Application as Tracers in Recycled Polyester Textile Fibers* Wei-Yu Chen * Department of Materials Engineering, National Pingtung University of Science and Technology, Pingtung, Taiwan R.O.C
7	Andrea De Giacinto	*Effect of catalyst composition on the activity and stability of Pt-Ni/ MgAlOx methane steam reforming catalysts* Andrea DE GIACINTO1, Enrico TUSINI1, Dmitry DORONKIN1,2, Maria CASAPU1, Jan-Dierk GRUNWALDT1,2,* 1 Karlsruhe Institute of Technology, Institute for Chemical Technology and Polymer Chemistry, Engesserstraße 18-20, 76131 Karlsruhe, Germany 2 Karlsruhe Institute of Technology, Institute of Catalysis Research and Technology, Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen, Germany
8	Jacopo De Maron	*Asymmetric ketones intermediates by cross-ketonization* Jacopo DE MARON*,1, Gaetano Maria D'ONOFRIO1, Tommaso TABANELLI1, Andrea FASOLINI1, Francesco BASILE1, Fabrizio CAVANI1. 1University of Bologna, "Toso Montanari" Industrial Chemistry Dept., Viale Risorgimento 4, Bologna, Italy.

9	Bezawit Z. Desalegn	*Tailoring Active Sites Towards High Selectivity for Paired-Electrochemical Biomass Upgrade over Medium/High-Entropy Sulfide Aerogels* Bezawit Z. Desalegn, and Jeong Gil Seo* Hanyang University, Department of Chemical Engineering, 04763, Seoul, South Korea. Hanyang University, Clean-Energy Research Institute, 04763, Seoul, South Korea.
10	Francesco Di Renzo	*Biodiesel improvement by skeletal isomerization on hierarchical zeolites* Jonathan Fabian SIERRA-CANTOR1, Olinda GIMELLO1, Luca BERNARDI2,3, Anne AUBERT-POUËSSEL1, Carlos-Alberto GUERRERO-FAJARDO4, Francesco DI RENZO*,1, Nathalie TANCHOUX1, Corine GÉRARDIN1 1 Université de Montpellier-CNRS-ENSCM, ICGM, Montpellier, France. 2 Alma Mater Studiorum Università di Bologna, Dip. Chimica Industriale "Toso Montanari", Bologna, Italy. 3 Alma Mater Studiorum Università di Bologna, C3 Center for Chemical Catalysis, Bologna, Italy. 4 Universidad Nacional de Colombia, Departamento de Quimica, Bogotá, Colombia.
11	Jinpeng Du	*Towards rational design of Cu-SSZ-13 catalysts with less N2O formation in NH3-SCR reaction* Jinpeng Du1, Jianqi Liu2, Yulong Shan1, Wenpo Shan2, Yunbo Yu1, Hong He1, 2 * 1Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, 18 Shuangqing Road, Haidian District, Beijing, 100085, China. 2Center for Excellence in Regional Atmospheric Environment, Institute of Urban Environment, Chinese Academy of Sciences, Xiamen 361021, China.
12	Michele E. Fortunato *(replaces L. Lisi)*	*Promoted lanthanum oxysulfates as regenerable catalysts for soot oxidation in GPFs* Elisabetta M. CEPOLLARO1, Stefano CIMINO1, Michele E. FORTUNATO1, Luciana LISI*,1 1Istituto di Scienze e Tecnologie per l'Energia e la Mobilità Sostenibili (STEMS) – CNR, P.le Tecchio 80 – 80125 Napoli, Italy.
13	Nadia Grifasi	*Gold nanoparticles on manganese oxides with different crystalline structures: enhancing low-temperature air pollutants abatement* Nadia GRIFASI1, Francesca LIUZZI2, Eleonora CALI'1, Samir BENSAID1, Nunzio RUSSO1, Fabio DEORSOLA1, Nikolaos DIMITRATOS2, Stefania ALBONETTI2, Fabrizio CAVANI2, Debora FINO1, Marco PIUMETTI*1 1Polytechnic of Turin, Department of Applied Science and Technology, Corso Duca Degli Abruzzi, 24, 10129, Turin, Italy 2 Alma Mater Studiorum - Bologna University, Department of Industrial Chemistry "Toso Montanari", Via P. Gobetti, 85, 40129, Bologna, Italy
14	Victor Zaghini Francesconi	*withdrawn*
15	Shota Hamada	*Oxygen Storage Materials in Automotive Catalysts: Composition of CZY* Shota Hamada1, Daiju Matsumura2, Shinya Uegaki1 , Hidetaka Tanabe1 , Tomohito Nakayama1, Itsuki Jinjo1, Seita Kurono1, Masami Nakamoto3, Tomohisa Mizuno4,Takashi Goto4, Hirohisa Tanaka*1 1Kwansei Gakuin University, Graduate School of Science and Technology, Sanda, Hyogo, Japan. 2 Japan Atomic Energy Agency, SPring-8., 1-1-1 Koto Sayo, Sayo, Hyogo, Japan. 3Daihatsu Motor Co., Ltd., 2-1-1 Momozono, Ikeda, Osaka, Japan. 4Cataler Corporation, 1905-10 Shimonobe, Iwata, Shizuoka, Japan.
16	Olaf Hinrichsen *(replaces Anne Niederdränk)*	*Optimizing Iron-Containing Beta Zeolites: Influence of Synthesis Methods on Methane Oxidation Performance* Anne NIEDERDRÄNK*,1,2, Merle BLUM1,2, Olaf HINRICHSEN1,2 1 Technical University of Munich, School of Natural Sciences, Lichtenbergstr. 4, 85748 Garching, Germany.

		2 Technical University of Munich, Catalysis Research Center, Ernst-Otto-Fischer-Str. 1, 85748 Garching, Germany.
17	Younghwan Im	*NH3 decomposition of Al2O3 bead surface modified Ru catalysts to produce carbon-free hydrogen* 1Younghwan Im, 1Sung Min Kwon, 1Minsik Kim, 1Youngmin Kim, 1Ho-Jeong Chae*, 1Hydrogen & C1 Gas Research Center, Korea Research Institute of Chemical Technology, 141 Gajeong-ro, Yuseong-gu, Daejeon, Republic of Korea.
18	Aleksandra Jankowska	*Ti-MCM-22 catalysts for selective oxidation of organic sulphides by H2O2* Aleksandra Jankowska*, Wiktoria Dubiel, Andrzej Kowalczyk, Małgorzata Rutkowska, Lucjan Chmielarz Jagiellonian University, Faculty of Chemistry, Gronostajowa 2, 30-387 Kraków, Poland.
19	Weijie Ji	*Defect-rich Mo/MoO2 catalyst for efficient peroxymonosulfate activation and refractory pollutants degradation* Hongjun FANG, Hui GUO, Xinzhen FENG, Weijie JI* Key Laboratory of Mesoscopic Chemistry, MOE, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, China
20	Azusa Kamiyama	*Process Informatics of High-Entropy Alloy for Automotive Catalysis* Azusa Kamiyama1, Kohei Kusada2,3, Hiromasa Kaneko4, Megumi Mukoyoshi2, Masafumi Sakota1, Hiroto Tsuchiya1, Atsushi Furukawa1, Hiroshi Kitagawa2 and Hitoshi Mikami1* 1Honda R&D Co., Ltd., Innovative Research Excellence, 4630 Shimotakanezawa, Haga-machi, Haga-gun, Tochigi, Japan. 2Kyoto University, Division of Chemistry, Kitashirakawa-Oiwakecho, Sakyo-ku, Kyoto, Japan 3Kyoto University, The Hakubi Center for Advanced Research, Kitashirakawa-Oiwakecho, Sakyo-ku, Kyoto, Japan 4Meiji University, Department of Applied Chemistry, 1-1-1 Higashi-Mita, Tama-ku, Kawasaki, Kanagawa, Japan
21	Youngmin Kim	*withdrawn*
22	Moon Hyeon Kim	*withdrawn*
23	Min Sik Kim	*Complete oxidation of methane over Pd/zeolite catalysts for lowering the reaction temperature* Min Sik KIM1, Younghwan IM1, Youngmin KIM1, Yeon Jin LEE1, You-Jin LEE1, Ho-Jeong CHAE*,1 1Korea research institute of chemical technology, Hydrogen & C1 gas research center, 141 Gajeong-ro Yuseong-gu, Daejeon, South Korea.
24	Andrii Kostyniuk	*Sustainable conversion of biomass waste to levulinic acid and hydrochar via wet torrefaction with H-Beta zeolite catalyst* Andrii Kostyniuk1*, Blaž Likozar1 1National Institute of Chemistry, Department of Catalysis and Chemical Reaction Engineering, Hajdrihova 19, Ljubljana, 1001, Slovenia
25	Andrzej Kowalczyk	*Bimetallic LDHs origin catalysts containing Co, Fe and Ni for ammonia decomposition to hydrogen and nitrogen* Andrzej KOWALCZYK*, Lucjan CHMIELARZ Faculty of Chemistry, Jagiellonian University, Gronostajowa 2, Kraków, Poland.
26	Hwajun Lee	*withdrawn*
27	Elena Mariani	*Impact of electroplating parameters on palladium hydride phases and hydrogen desorption dynamics* Elena MARIANI1,2,3*, Margherita VERRUCCHI1, Ambra PELAGATTI1, Fabio BIFFOLI1, Walter GIURLANI1,2, Pierandrea LO NOSTRO1, Marco PAGLIAI1, Massimo INNOCENTI1,2

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28	Francesco Montanari	*Electrodeposition of nanostructured metals on silicon. A focus on the rhodium/n-doped silicon composite as a promising platform for energy applications* Francesco Montanari*1, Giulio Pappaianni1, Francesco Visconti1, Patrick Nunziati1, Walter Giurlani1,2, Massimo Innocenti1,2 1University of Florence, Department of Chemistry "Ugo Schiff", via della Lastruccia 3-13, Sesto Fiorentino 50019, Italy. 2 National Interuniversity Consortium of Material Science and Technology (INSTM), 50121, Italy.
29	Nelly Morrone	*From sewage scum up to lipids production using oleaginous yeasts as biocatalysts* Nelly MORRONE*1, Nicola DI FIDIO1, Valeria D'AMBROSIO2, Claudia ANTONETTI1, Anna Maria RASPOLLI GALLETTI1, Carlo PASTORE2 1Department of Chemistry and Industrial Chemistry, University of Pisa, Via G. Moruzzi 13, 56124 Pisa, Italy 2Water Research Institute (IRSA), National Research Council (CNR), Viale De Blasio 5, 70132 Bari, Italy
30	Akira Oda	*Durable Ethane Oxidation to Ethanol: Insights into SMSI Effects on TiO2-Supported Pt Catalysts* Akira Oda*,1, Terufusa Inagaki1, Koyo Ichino1, Yuta Yamamoto2, Yuya Kimura1, Kyoichi Sawabe1, Atsushi Satsuma1 1Department of Materials Chemistry, Graduate School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8603, Japan. 2 Institute of Materials and Systems for Sustainability, Nagoya University, Nagoya 464-8603, Japan.
31	Takeshi Ohtsu	*Promotion Effect of Water Vapor on co-Adsorption of NO on Pd/Zeolite* Takeshi OHTSU1, Nao TSUNOJI2, Akira ODA1, Atsushi SATSUMA1* 1Nagoya University, Department of Materials Chemistry, Furo-cho, Chikusa-ku, Nagoya, Japan. 2 Hiroshima University, Department of Applied Chemistry, Kagamiyama 1-4-1, Higashi-hiroshima, Japan.
32	Piotr Pietrzyk	*Decomposition of model organic pollutants via wet peroxidation – the activity of composite copper catalysts in the generation of ROS* Wiktor CZERWONKA1, Kamila SOBAŃSKA1, Piotr PIETRZYK*,1 1Jagiellonian University, Faculty of Chemistry, Gronostajowa 2, 30-387 Krakow, Poland.
33	Anna Maria Raspolli Galletti	*Esterification of hexanoic acid to hexyl hexanoate with heterogeneous acid catalysts: preliminary evaluations with Amberlyst and niobium- zirconium-phosphates* Anna Maria RASPOLLI GALLETTI *,1, Leonardo CARMASSI 1, Nicola DI FIDIO 1, Sara FULIGNATI 1, Claudia ANTONETTI 1, Domenico LICURSI 1 1University of Pisa, Department of Chemistry & Industrial Chemistry, Via Giuseppe Moruzzi, 13, Pisa, Italy.
34	Vincenzo Russo	*Ibuprofen photodegradation under visible light promoted by Fe-doped nano CeO2* Vincenzo RUSSO*,1, Rosanna PAPARO1, Olimpia TAMMARO2, Martino DI SERIO1, Serena ESPOSITO2 1 Università di Napoli 'Federico II', Department of Chemical Sciences, Napoli, Italy. 2 Department of Applied Science and Technology and INSTM Unit of Torino – Politecnico, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy.
35	Atsushi Satsuma	*Mechanistic Study on Generation and Growth of Ash Particles from Lubricant Additives* Junya ONODA1, Akira ODA1, Atsushi SATSUMA1 1Graduate School of Engineering, Nagoya University, Nagoya 464-8603, Japan.

36	Elena Spennati	*(Ni,Cu) catalysts for ethanol dehydrogenation: performances vs. synthesis* Elena Spennati1,2, Giovanni Pampararo3, Gabriella Garbarino1,2, Paola Riani2,3* 1 University of Genova, DICCA Dept., Genova, 16145 (Italy) 2INSTM, UDR Genova, 16146 (Italy) 3 University of Genova, DCCI Dept., Genova, 16146 (Italy)
37	Dorottya Szalay	*Rare earth element modified nickel phosphide nanoparticles as electro- and photocatalysts for hydrogen generation reactions* Dorottya Szalay1, Shik Chi Edman Tsang1* 1 Wolfson Catalysis Centre, Department of Chemistry, University of Oxford, Oxford, OX1 3QR, United Kingdom
38	Hidetaka Tanabe	*In-situ XAFS Analysis on Redox Dynamics of Precious Metal-supported Ce Complex Oxides* Hidetaka Tanabe1, Daiju Matsumura3, Shinya Uegaki2, Shota Hamada2, Takehisa Oseki4, Tomohisa Mizuno4, Shunsuke Oishi4, Masami Nakamoto5, Tetsurou Oonishi5, Kazuya Yasuda5, Hirohisa Tanaka2, * 1Kwansei Gakuin University, Program of Materials Science, Sanda, Hyogo Japan. 2Kwansei Gakuin University, Graduate School of Science and Technology, Sanda, Hyogo Japan. 3 Japan Atomic Energy Agency, SPring-8, 1-1-1 Koto Sayo, Sayo, Hyogo, Japan. 4Cataler Corporation, 1905-10 Shimonobe, Iwata, Shizuoka, Japan. 5Daihatsu Motor Co., Ltd., 2-1-1 Momozono, Ikeda, Osaka, Japan.
39	Maria Luisa Testa	*MW-assisted Pt@CsN4/TiO2 composites for glycerol photoreforming for H2 production* M.C. HERRERA-BEURNIO*, C. ALIOTTA2, F.J. LÓPEZ-TENLLADO1, M. RUSSO2, F. J. URBANO 1, A. MARINAS1, M. L. TESTA2 * ' Departamento de Química Orgánica, Instituto Químico para la Energia y el Medioambiente (IQUEMA), Universidad de Córdoba, E-14071 Córdoba, Spain 2 Istituto per lo Studio dei Materiali Nanostrutturati, Consiglio Nazionale delle Ricerche (ISMN-CNR), Via Ugo La Malfa 153, 1-90146, Palermo, Italy
40	Margarita Popova	*CO_2 methanation on the Ni-Mn-modified mesoporous silica* Margarita Popova*,1,2, Grigoria Teohari 1, Gloria Issa1, Daniela Kovacheva3, Martin Kormunda4 1 Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, acad. G. Bonchev str., bl. 9, Sofia, Bulgaria 2 National Centre of Excellence Mechatronics and Clean Technologies, Bulgaria 3 Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences, acad. G. Bonchev str., bl. 11, Sofia, Bulgaria 4 Faculty of Science, University of Jan Evangelista Purkyně, Pasteurova 3632/15, 400 96 Ústí nad Labem, Czech Republic

P2 - POSTER SESSION 2 - CH (Hallway) – 03/06/2025		
Nr.	Presenter	Title – Authors - Affiliations
1	Andrzej Adamski	*Oxide and zeolitic systems of catalytic importance synthesized from fly ashes from industrial energy sector* Paweł RYBOWICZ1, Rafał PANEK2, Artur ŁAGOSZ3, Barbara GIL1, Wiesław ROTH1, Wojciech FRANUS2, Andrzej ADAMSKI*,1 1Jagiellonian University, Faculty of Chemistry, Gronostajowa 2, 30-687 Kraków, Poland. 2Lublin University of Technology, Faculty of Civil Engineering and Architecture, Nadbystrzycka 40, 20-618 Lublin, Poland. 3AGH - University of Science and Technology, Faculty of Material Science and Ceramics, Mickiewicza Ave. 30, 30-059 Kraków, Poland.
2	Stefania Albonetti	*Simultaneous waste remediation and carbon capture via CO2 mineralization over industrial basic wastes* Alessandro ALLEGRI1, Valentina SCOGNAMIGLIO2, Maria Chiara BIGNOZZI2,3, Alessandro DAL POZZO3, Alberto Renato DE ANGELIS4, Roberto MILLINI4, Stefania ALBONETTI*,1 1 University of Bologna, Department of Industrial Chemistry "Toso Montanari", C3 – Center for Chemical Catalysis, CIRI-FRAME, Via P. Gobetti 85, Bologna, Italy. 2 Centro Ceramico, Via Valle d'Aosta, 1, Sassuolo, MO, Italy 3 University of Bologna, Department of Civil, Chemical,– DICAM, via U. Terracini 28, Bologna, Italy. 4 ENI S.p.A. Research and Technological Innovation Department, Via F. Maritano 26, San Donato Milanese, Italy
3	Sukomol Barua	*3D NiMnCo trimetallic electrocatalysts with cauliflower curd-shaped micro-sized nodular morphology for an efficient and sustainable hydrogen evolution reaction in alkaline media and simulated seawater* Sukomol Barua*, Aldona Balčiūnaitė, Jūrate Vaičiūnienė, Loreta Tamašauskaitė-Tamašiūnaitė and Eugenijus Norkus Center for Physical Sciences and Technology (FTMC), Department of Catalysis, Saulėtekio ave. 3, LT-10257, Vilnius, Lithuania
4	Nassima Berroug	*Effect of Ni particle size on the efficiency of Ni/HAP catalysts in the decarbonization processes* Nassima Berroug*, Miguel A. Gutiérrez-Ortiz, Juan R. González-Velasco, Zouhair Boukha Chemical Technologies for Environmental Sustainability Group, Department of Chemical Engineering, Faculty of Science and Technology, University of the Basque Country UPV/EHU, P.O. Box 644, E-48080, Bilbao, Spain
5	Michele Bigica *(replaces Antonella Gervasini)*	*Circular Economy-Driven Synthesis of Hydroxyapatites from Ash: A Comprehensive Analysis of Surface and Bulk Properties* Antonella GERVASINI,*1 Sebastiano CAMPISI,1 Michele BIGICA,1 Marta TAVONI,2 Simone SPRIO,2 Anna TAMPIERI,2 Gina POSTOLE3 1 Dipartimento di Chimica, Università degli Studi di Milano, Via Golgi 19, 2013 Milano, Italy 2 Institute of Science, Technology and Sustainability for Ceramics, CNR, Via Granarolo 64, Faenza, Italy 3 Université Claude Bernard Lyon 1, CNRS, IRCELYON, F-69626 Villeurbanne, France
6	Lidia Castoldi	*Preparation of Si-rich LTA zeolite for membrane reactors in e-methanol synthesis* Lidia Castoldi1, Luca Lietti1*, Carlo Visconti1, Nadia Cerone2, Francesco Zimbardi2 1Politecnico di Milano, Department of Energy, LCCP group, via La Masa 34, 20156 Milano, Italy.

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7	Jiyoung Chae	*Synthesis of sustainable polyol by simultaneous utilization of CO2 and waste PET* Jiyoung Chae, Yein Kim, Joon Hyun Baik* Department of Chemical and Biological Engineering, Sookmyung Women's University, 04310, Seoul, Republic of Korea
8	Hsin-Yu Chen	*Understanding Methanation Inhibition Using Cs-promoted Defective Carbon Supports for Ru Catalysts in Ammonia Production* Cheng-Hsi Yeh1, Hsin-Yu Chen1,2, Shih-Yuan Chen3, Hsin-Yi Tiffany Chen*,1,2,4 1 National Tsing Hua University, Department of Engineering and System Science, Hsinchu 300044, Taiwan. 2 National Tsing Hua University, Department of Materials Science and Engineering, Hsinchu 300044, Taiwan. 3 National Institute of Advanced Industrial Science and Technology (AIST), Energy Catalyst Technology Group, Energy Process Research Institute (EPRI), 16-1 Onogawa, Tsukuba, Ibaraki 305-8569, Japan. 4 National Tsing Hua University, College of Semiconductor Research, Hsinchu 300044, Taiwan.
9	Imen Cherif	*Photocatalytic CO2 reduction over TiO2NT/g-C3N4 based heterostructures* Imen CHERIF, Georgia PAPANIKOLAOU, Paola LANZAFAME, Siglinda PERATHONER, Gabriele CENTI, Rosalba PASSALACQUA* University of Messina, Department of Chemical, Biological, Pharmaceutical and Environmental Sciences (ChiBioFarAm) & INSTM CASPE (Lab. of Catalysis for Sustainable Production & Energy), Viale F. Stagno d'Alcontres 31, 98166 Messina, Italy
10	Renaud Cousin *(replaces Eric Genty)*	*Influence of preparation method of CuAl mixed oxide issued from LDH for LDH for catalytic total oxidation of VOC -CO* Eric GENTY*, Pierre Edouard DANJOU, Christophe POUPIN, Stéphane SIFFERT, Renaud COUSIN Université du Littoral Côte d'Opale, Unité de Chimie environnementale et Interactions sur le Vivant (UCEIV), 145 avenue Maurice Schumann, 59140 Dunkerque, France.
11	Petar Djinović *(replaces Miha Okorn)*	*Utilization of visible light in the Reverse Water Gas Shift reaction over Cu/Cex(Ti1-x)O2 catalyst* Miha Okorn1,2, Kristijan Lorber1 and Petar Djinović*1,2 1National Institute of Chemistry, Hajdrihova 19, Ljubljana, Slovenia. 2 University of Nova Gorica, Vipavska 13, Nova Gorica, Slovenia.
12	Elisabetta Finocchio	*SILCO Project: Waste-derived SILica-based porous solids for Carbon diOxide capture, storage and re-use catalytic technology* Lidia Castoldi1, Cinzia Cristiani*,2, Barbara Di Credico3, Matteo Di Virgilio2, Elisabetta Finocchio*,4, Luca Lietti1, Sergio Molina-Ramírez2, Roberto Scotti3, Lorenzo Vigano'3 1Dipartimento di Energia (Laboratory of Catalysis and Catalytic Processes), Politecnico di Milano (POLIMI), Via la Masa 34, Milano, Italy. 2Dipartimento di Chimica, Materiali e Ingegneria Chimica Giulio Natta, Politecnico di Milano (POLIMI), Piazza Leonardo Da Vinci 32, Milano, Italy. 3Dipartimento di Scienza dei Materiali, Università Milano-Bicocca (UNIMIB), Piazza dell'Ateneo Nuovo, 1, Milano, Italy. 4Dipartimento di Ingegneria Civile, Chimica e Ambientale, Università di Genova (UNIGE), Via all'Opera Pia 15, Genova, Italy.
13	Francesca S. Freyria	*TiO2/QDs nanocomposites for sustainable reactions: synthesis and characterization* Francesca S. FREYRIA1, , Najeebullah CHANNA1, Francesco PELLEGRINO2, Jenny G. VITILLO,3 Nicoletta DI TARANTO4, Michele Bucchieri1,5, Nicola BLANGETTI1, Barbara BONELLI1 11Department of Applied Science and Technology and INSTM-Unit of Torino Politecnico, Corso Duca degli Abruzzi 24, Politecnico di Torino,10129 Torino, Italy

		2 Department of Chemistry, University of Torino, via Giuria 5, 10125 Torino, Italy 3 Department of Science and High Technology and INSTM, Università degli Studi dell'Insubria, Via Valleggio 9, I-22100 Como, Italy 4Department of Chemistry, Università degli Studi di Bari Aldo Moro, 70125 Bari, Italy 5Departement of Chemistry, Biology and Biotechnologies- Università degli Studi di Perugia
14	Suk Bong Hong	*withdrawn*
15	Plaifa Hongmanorom	*The role of vanadium in silica-supported Ru catalysts for enhanced CO2 methanation* Plaifa HONGMANOROM1, Damien P. DEBECKER*,1 1Institute of Condensed Matter and Nanoscience, UCLouvain, Place Louis Pasteur 1, Louvain-La-Neuve, Belgium.
16	Peijun Hu	withdrawn
17	Chiara Ingrosso	*Novel Hybrid Nanocomposites based on Au Nanoparticles Decorated Soot Carbon Nanoparticles for Electroanalytical Sensors* C. Ingrosso1,*, F. Migliorini2, W. Aidli3, S. Dicorato4, P. S. Sfragano5, F. Spatafora5, G. V. Bianco4, V. Pifferi3, M. Striccoli1, M. Longhi3, G. Cappelletti3, M. L. Curri1,6, I. Palchetti5, L. Falciola3 1CNR-IPCF S.S. Bari, c/o Dept. of Chemistry, Università degli Studi di Bari, via Orabona 4, 70126 Bari, Italy 2CNR-ICMATE S.S. Milano, Via Cozzi 53, 20125 Milano, Italy 3Dept. of Chemistry, Università degli Studi di Milano, via Golgi 19, 20133 Milano, Italy 4CNR-NANOTEC Sez. Bari, c/o Dept. of Chemistry, Università degli Studi di Bari, Via Orabona 4, 70126 Bari, Italy 5Dept. of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino (FI), Italy 6Dept. of Chemistry, Università degli Studi di Bari, Via Orabona 4, 70126 Bari, Italy
18	Ren Itagaki	*Biphasic Z-Scheme Photocatalytic System Using a Phase-Migrating Electron Mediator* Ren ITAGAKI1,2, Akinobu Nakada1*, Hajime Suzuki1, Osamu Tomita1, Ryu Abe1* 1Kyoto University, Grad. Sch. of Eng., Kyoto daigaku-katsura, Nishikyo-ku, Kyoto, Japan. 2JSPS Research Fellow DC1, Kojimachi Business Center Building, 5-3-1 Kojimachi, Chiyoda-ku, Tokyo, Japan.
19	Dobrina Ivanova	*Tribocatalytic Degradation of Chloramphenicol Using Eu-Doped ZnO Catalysts: A Sustainable Approach to Pharmaceutical Pollutant Removal* Dobrina IVANOVA1, Bozhidar STEFANOV2, Hristo KOLEV3, Nina KANEVA1 1Laboratory of Nanoparticle Science and Technology, Department of General and Inorganic Chemistry, Faculty of Chemistry and Pharmacy, University of Sofia, 1164 Sofia, Bulgaria 2Department of Chemistry, Faculty of Electronic Engineering and Technologies, Technical University of Sofia, 8 Kliment Ohridski Blvd, 1756 Sofia, Bulgaria 3Institute of Catalysis, Bulgarian Academy of Sciences, Acad. G. Bonchev St., bl. 11, 1113 Sofia, Bulgaria
20	Kenshin Chishima	*Efficient search for acetic acid synthesis pathway based on the bond disconnection process on Rh surface and Rh/metal oxide interface* Kenshin CHISHIMA1, Takumi MASUDA1, Hiroshi SAMPEI1, Koki SAEGUSA1, Sakuya HATTORI1, and Yasushi SEKINE1 1 Waseda University, Department of Applied Chemistry, 3-4-1, Okubo, Shinjuku-ku, Tokyo, Japan.

21	Alexander Klyushin	*withdrawn*
22	Koki Saegusa	*Theoretical Design of CeO2-Based Materials for Enhanced RWGS-CL Performance* Koki SAEGUSA1, Takuma HIGO1, Shuhei ISHIZAKI1, Sota KAKIHARA1, Hiroshi SAMPEI1, and Yasushi SEKINE*,1 1 Department of Applied Chemistry, Waseda University, 3-4-1, Okubo, Shinjuku, Tokyo, Japan.
23	Athanasia Kotsaridou	*CO2 hydrogenation to light olefins over fe-based mixed oxides derived from layered double hydroxides* Athanasia KOTSARIDOU1,*, Antigoni MARGELLOU1, Evridiki MANDELA2, Michail KONSOLAKIS3, Georgios MARNELLOS4, Konstantinos TRIANTAFYLLIDIS1 1Aristotle University of Thessaloniki, Department of Chemistry, Thessaloniki, Greece 2University of Western Macedonia, Department of Mechanical Engineering, Kozani, Greece 3Technical University of Crete, School of Production Engineering and Management, Chania, Greece 4Aristotle University of Thessaloniki, Department of Chemical Engineering, Thessaloniki, Greece
24	Hyeon-Bin Lee	*High-Throughput Optimization of Mo-Doped BiVO4 Thin Films Using SPECM for Enhanced Photoelectrochemical Performance* Hyeon-Bin Lee1,2, Jae-Cheol Park1, Soe-Jin Jeong1, Si-Yun Jeong1, Jun-Seok Ha2, Tae-Won Kim*,1 1 Energy & Nano Technology Group, Korea Institute of Industrials Technology 6, Cheomdan-gwagiro 208-gil, Buk-ku, Gwangju, 61012, Republic of Korea. 2 Department of Chemical Engineering, Chonnam National University 77, Yongbong, Buk-gu, Gwangju 500-757, Republic of Korea.
25	Renzo A. Leeflang	*Core-Shell Chabazite Catalysts for the Tandem Catalysis of CO2 to Light Hydrocarbons:* Renzo A. Leeflang*1, Volkan Degirmenci2, Edman S.C. Tsang1, 1Wolfson Catalysis Centre, Department of Chemistry, University of Oxford, Oxford OX1 3QR, United Kingdom 2 School of Engineering, University of Warwick, Coventry, CV4 7AL, United Kingdom.
26	Angeliki Lemonidou	*Selective catalytic cracking of plastic waste for naphtha-like pyrolysis oil production* Petros SOLDATOS1, Angeliki LEMONIDOU2, Konstantinos TRIANTAFYLLIDIS1, * 1Aristotle University of Thessaloniki, Department of Chemistry, Thessaloniki, Greece. 2Aristotle University of Thessaloniki, Department of Chemical Engineering, Thessaloniki, Greece.
27	Luca Lietti *(replaces Alessandro Porta)*	*Green NH3 production from NOx stationary emissions* Giuseppe NAVA1, Alessandro PORTA1*, Roberto MATARRESE1, Luca LIETTI1 1Laboratory of Catalysis and Catalytic Processes, Dipartimento di Energia, Politecnico di Milano – Via La Masa 34, 20156 Milan, Italy
28	Marina Maddaloni	*Ionic Liquid-Assisted Synthesis of Fe-Ru Bimetallic Catalysts for Enhanced CO_2 Conversion to Lower Olefins with High Selectivity* Marina MADDALONI1, Ander CENTENO-PEDRAZO2, Simone AVANZI1, Nayan Jyoti MAZUMDAR2, Haresh MANYAR2 and Nancy ARTIOLI1* 1CEEP Laboratory, Department of Civil Engineering, Architecture, Territory, Environment and Mathematics, University of Brescia, via Branze 38, 25123 Brescia, Italy;

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29	Marina Maddaloni *(replaces Nancy Artioli)*	*Solid Catalyst with Ionic Liquid Layer (SCILL) for Direct CO2 Hydrogenation to Methanol:Enhancing Performance and Stability* Giuseppe BAGNATO1, Emilia MORROW1, Hannah AGNEW1, Małgorzata SWADŹBA-KWAŚNY1 and Nancy ARTIOLI2 * 1School of Chemistry and Chemical Engineering, Queen's University Belfast, David-Keir Building, Stranmillis Road, Belfast, BT9 5AG, UK 2CEEP Laboratory, Department of Civil Engineering, Architecture, Territory, Environment and Mathematics, University of Brescia, via Branze 38, 25123 Brescia, Italy;
30	Marco Pietro Mezzapesa	*Cu-Ce binary oxide catalysts for CO2 hydrogenation to methanol: Operando FT-IR spectroscopy and kinetic study* Marco Pietro MEZZAPESA*,1, Fabio SALOMONE1, Enrico SARTORETTI1, Raffale PIRONE1, Samir BENSAID1 1Politecnico di Torino, Department of Applied Science and Technology (DISAT), Corso Duca degli Abruzzi 24, 10129 Turin, Italy.
31	Sergio Molina-Ramírez	*Silica supported DFM catalysts for CO2 Capture, Storage and Re-use Technology. Comparative study with Al2O3-based model catalyst.* Sergio Molina-Ramírez1, Giuseppe Nava2, Cinzia Cristiani1, Barbara Di Credico3, Roberto Scotti3, Luca Lietti2, Lidia Castoldi2, Elisabetta Finocchio*,4 1Dipartimento di Chimica, Materiali e Ingegneria Chimica Giulio Natta, Politecnico di Milano, Milano, Italy. 2Dipartimento di Energia (Laboratory of Catalysis and Catalytic Processes), Politecnico di Milano, Milano, Italy. 3Dipartimento di Scienza dei Materiali, Università Milano-Bicocca, Milano, Italy. 4Dipartimento di Ingegneria Civile, Chimica e Ambientale, Università di Genova, Genova, Italy.
32	Hadis Mortazavi Milani	*withdrawn*
33	Fabian Neumann	*Getting CuO/ZnO/ZrO2 in shape: Tableting of methanol catalysts* Fabian NEUMANN1, Lucas WARMUTH1, Thomas N. OTTO1, Thomas A. ZEVACO1, Michael ZIMMERMANN1, Stephan PITTER1, Moritz WOLF*,1 1Karlsruhe Institute of Technology (KIT), Institute of Catalysis Research and Technology (IKFT), Hermann-von-Helmoltz-Platz 1, 76344 Eggenstein-Leopoldshafen, Germany.
34	Mauro Bracconi *(replaces Kaustav Niyogi)*	*Assessing the effect of catalyst structure on the competitive CO2 hydrogenation pathways to CO and Methanol on Copper* Kaustav NIYOGI, Matteo MAESTRI* Politecnico di Milano Laboratory of Catalysis and Catalytic Processes, Department of Energy Via La Masa 34, Milano 20156, Italy
35	Nicola Panza	*Ni-doped tungsten carbide catalysts for the selective production of ethylene glycol from cellulosic materials* Nicola PANZA*, Marta STUCCHI, Laura PRATI Dipartimento di Chimica, Università degli Studi di Milano, Via Golgi 19 Milano Italy
36	Amy Radford	*Structure-Activity Evolution of AgNbO3 via Exsolution* Amy Radford1, Nathan Coltart1, Yiyang Li1*, Edman Tsang1 1Wolfson Catalysis Centre, University of Oxford, Oxford, England
37	Clara Saetta	*TiN based Single-Atom Catalyst in Aqueous Environment: a Step Towards the Experimental Complexity* Clara SAETTA1, Giovanni DI LIBERTO2, Gianfranco PACCHIONI3 1,2,3Università degli Studi Milano-Bicocca, Department. of Materials Science, Via Roberto Cozzi 55, Milan, Italy.

38	Shokat Sarmad	*withdrawn*
39	Stephane Siffert *(replaces Anthony Abou Rahhal)*	*CO2 Purification of Industrial Flue Gas: The Role of Copper and Carbonate Species in the Selective Catalytic Reduction Process.* Abou Rahhal A.1, Genty E.1, Cousin R.1, Ponchel A.2, Noel S.2, Poupin C.1, Siffert S.1* 1Univ. Littoral Côte d'Opale, UR 4492, UCEIV, Unité de Chimie Environnementale et Interactions sur le Vivant, F-59140, Dunkerque, France 2Univ. Artois, CNRS, Centrale Lille, Univ. Lille, UMR 8181, Unité de Catalyse et de Chimie du Solide (UCCS), rue Jean Souvraz, SP 18, 62300 Lens, France
40	Giuseppe Sportelli	*withdrawn*
41	Francesco Taddeo	*Sustainable synthesis of ketals from ethyl levulinate and glycerol* Francesco TADDEO*,1, Rosa VITIELLO1, Rosa TURCO1, Riccardo TESSER1, Vincenzo RUSSO1, Martino DI SERIO1 1University of Naples Federico II, Chemical Sciences Department, Via Cintia, Napoli, Italy.
42	Gitana Valeckytė	*Synthesis and Characterization of Nickel Cobalt Catalysts* Gitana Valeckytė, Zita Sukackienė, Jūratė Vaičiūnienė, Loreta Tamašauskaitė-Tamašiūnaitė, Eugenijus Norkus Department of Catalysis, Center for Physical Sciences and Technology (FTMC), Saulėtekio al. 3, LT-10257 Vilnius, Lithuania
43	Elyes Bel Hadj Jrad *(replaces Michele Zanoni)*	*Nanofiber-reinforced composite Proton-Exchange Membranes* Michele Zanoni1, Elyes Bel Hadj Jrad,1,2, Elisabetta Petri1,2, Francesca Soavi1,2, Chiara Gualandi1 1Dept. of Chemistry "Giacomo Ciamician", University of Bologna, Via Selmi 2, 40126, Bologna, Italy 2Centre for the Environment, Energy, and Sea - Interdepartmental Centre for Industrial Research in Renewable Resources, Environment, Sea and Energy (CIRI-FRAME), University of Bologna, Viale Ciro Menotti 48, 48122, Marina di Ravenna, Italy