

List of posters

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1ST SESSION (Monday, Tuesday)

MOLECULAR AND HYBRID CATALYSIS

- PMHC-1** Acrolein production from a mixture of alcohols in gas phase on silica– supported basic oxides catalysts: on which sites?
Aleksandra Lilić¹, Simona Bennici¹, Jean-François Devaux², Jean-Luc Dubois³, Aline Auroux¹
¹ IRCELYON, UMR 5256 CNRS- Université Lyon 1, 2 avenue A. Einstein, 69626 Villeurbanne cedex
² ARKEMA, Centre de Recherche Rhône Alpes, 69493 Pierre Bénite Cedex, France
³ ARKEMA, Direction R&D, 420 Rue d'Estienne d'Orves, 92705 Colombes, France
- PMHC-2** Rhodium-catalyzed Tandem Carbonylation Reactions to Transform Natural Products
Martine Urrutigoity, Maryse Gouygou, Jamal El Karroumi, Abdelouahd Oukhrib
Laboratoire de Chimie de Coordination du CNRS, UPR 8241, Equipe Catalyse et Chimie Fine – composante ENSIACET-INP, 4 Allée Emile Monso, BP 44362, 31030 Toulouse Cedex 4, France
- PMHC-3** One-pot glycerol oxidehydration to acrylic acid: structure-reactivity correlations in vanadium containing catalysts
Claudia Bandinelli¹, Alessandro Chieregato^{1,2}, Patricia Concepción², M. Dolores Soriano², Francesco Puzzo¹, Francesco Basile¹, Fabrizio Cavanì¹, José M. López Nieto²
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² Instituto de Tecnología Química, UPV-CSIC, Campus de la Universidad Politécnica de Valencia, Avda. Los Naranjos s/n, 46022 Valencia, Spain
- PMHC-4** The use of acidic solid as catalyst in the synthesis of cyclic imide
Messalhi Abdelrani, Djouambi Nadia, Bougheloum Chafika
Badji Mokhtar-Annaba University, BP 12 El Hadjar, 23000, Algeria
- PMHC-5** Catalyzed organic solvent-free olefin epoxidation : from homogeneous to heterogeneous Mo(VI) catalysts Dominique Agustin^{1,2}, Weili Wang^{1,2}, Jean-Claude Daran², Rinaldo Poli^{2,3}
¹ Université de Toulouse, Institut Universitaire de Technologie Paul Sabatier, Département de Chimie, Av. Georges Pompidou, BP 20258, 81104 Castres, France
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- PMHC-6** Nanostructured heterogeneous Pt catalysts for alkene hydrosilylation
Thomas Galeandro-Diamant^{1,2}, Marie-Line Zanota¹, Laurent Veyre², Clémence Thieuleux², Valérie Meille¹
¹ Université de Lyon, Institut de Chimie de Lyon, Laboratoire de Génie des Procédés Catalytiques (UMR 5285 CNRS-CPE Lyon), 43 Bd du 11 Novembre 1918, 69616 Villeurbanne, France
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- PMHC-7** Removal of Tartrazine by photo-Fenton reaction in the presence of bare and Fe-doped methyl-imogolite nanotubes as heterogeneous photocatalyst
Elnaz Bahadori¹, Diana Saninno², Vincenzo Vaiano², Marco Armandi¹, Serena Esposito³, Barbara Bonelli¹
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- PMHC-8** Chemoenzymatic heterogeneous catalysts based on metal organic frameworks for eco-compatible oxidation processes.
Julien Reboul, Claude Jolivalt, Pascal Massiani, Franck Launay
Laboratoire de Réactivité de Surface, UMR7197, Université Pierre et Marie Curie, 4, place Jussieu 75252 Paris, France.
- PMHC-9** P,X chiral ferrocenyl ligands grafted on inorganic supports (HAP, MCM41): Synthesis, characterization and preliminary catalytic results
Eric Deydier,^{1,2,3} Audric Michelot,^{1,2} Guillaume Medrano,^{1,2} Catherine Audin,^{1,2,3} Eric Manoury,^{1,2} Rinaldo Poli,^{1,2,4} Christian Rey,⁵ Stephanie Sarda,^{3,5}
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⁵ CIRIMAT, INPT-CNRS-UPS, Université de Toulouse, ENSIACET, 31030 Toulouse, France
- PMHC-10** Hydrothermal synthesis of CoFe_2O_4 spinel for the comparative study of ethanol and propene combustions.
S. Barama¹, Z. Mokrane¹, A. Barama¹, A. Davidson² and P. Massiani².
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² Laboratoire de Réactivité de Surface (LRS), UPMC, 4 place Jussieu 75005 Paris, France.
- PMHC-11** Nitrene Transfer Reactions Catalyzed by Mononuclear and Binuclear Iron Complexes
Jean-Marc LATOUR¹, Ranjan Patra, Guillaume Coin, Eric Gouré, Frédéric Avenier, Patrick Dubourdeaux, Jacques Pécaut², Senthilnathan Dhurairajan, Pascale Maldivi²
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PMHC-12	Development of new homogenous catalyst recycling concepts for fatty compound carbonylation reactions Arno Behr, Tom Gaide, Andreas J. Vorholt <i>Chair of Technical Chemistry, Technical University Dortmund/Department of Biochemical and Chemical Engineering, Emil-Figge-Straße 66, 44227, Dortmund, Germany.</i>
PMHC-13	Dendritic Polyoxometalate Hybrids for Enantioselective Oxidation Sylvain NLATE, Claire JAHIER <i>CBMN, UMR CNRS 5248, Université de Bordeaux, 2 Rue Robert Escarpit, 33607 Pessac, France</i>
PMHC-14	Virtual screening of catalysts in concerted metalation-deprotonation reactions Art Bochevarov, Leif D. Jacobson <i>Schrödinger Inc., 120 West 45th St, 17th floor, New York, NY 10036, USA</i>
	OXIDATION CATALYSIS
POC-1	TRANSITION METAL-SUBSTITUTED POLYOXOMETALATES IN A NEW PROCESSUS OF ADIPIC ACID PRODUCTION Tassadit.Mazari ^{1,2} , D.Amitouche ^{1,2} , S.Mouanni ¹ , S.benadjid ¹ , L.Dermeche ^{1,2} , C.Roch.Marchal ³ and C.Rabia ¹ ¹ <i>Chimie du Gaz Naturel, Faculté de Chimie, USTHB, BP32, El-Alia, 16111 Bab-Ezzouar, Alger, Algérie.</i> ² <i>Département de chimie, Faculté des Sciences, Université Mouloud Mammeri, Tizi Ouzou, 15000, Algérie</i> ³ <i>ILV-UMR 8180 CNRS, Université de Versailles -St Quentin-en-Yvelines, Bâtiment Lavoisier, 45 avenue des Etats-Unis, 78035 Versailles Cedex, France</i>
POC-2	Toluene combustion over copper or cobalt oxides supported on hollow zirconia spheres Tomasz Kondratowicz ¹ , Piotr Natkański ¹ , Piotr Kuśtrowski ¹ , Barbara Dudek ¹ , Marek Michalik ² ¹ <i>Faculty of Chemistry, Jagiellonian University, Ingardena 3, 30-060 Krakow, Poland</i> ² <i>Institute of Geological Science, Jagiellonian University, Oleandry 2a, 30-063 Krakow, Poland</i>
POC-3	Adipic acid synthesis by a no-HNO ₃ path over CsMPPMo ₁₂ O ₄₀ (M: Mn, Co or Sn) Lynda Mouheb ^{1,2} , Leila Dermeche ^{1,2} , Siham Benadjid ² , Tassadit Mazari ^{1,2} and Chérifa Rabia ¹ <i>Département de Chimie, Facultés des Sciences, Université Mouloud Mammeri, Tizi Ouzou, Algérie.</i> ² <i>Laboratoire de Chimie du Gaz Naturel, Faculté de Chimie, USTHB, BP32, El-Alia, 16111 Bab-Ezzouar, Alger, Algérie.</i>
POC-4	Magnetic amphiphilic carbon nanotubes for green alcohol oxidation in biphasic media Bruno Machado, ¹ Anas Benyounes, ^{1,2} Stéphane Louisia, ¹ Rosa Axet, ¹ M. Kacimi, ² Philippe Serp ¹ ¹ <i>Laboratoire de Chimie de Coordination UPR 8241, composante ENSIACET, Université de Toulouse, 4 allée Emile Monso - CS 44362, 31030 Toulouse Cedex 4, France</i> ² <i>Laboratory of Physical Chemistry of Materials, Catalysis and Environment (URAC26), Department of Chemistry, Faculty of Science, University of Mohammed V-Agdal, BP1014 Rabat, Morocco</i>
POC-5	Synergistic effects of Ir–Au/TiO ₂ catalysts in the total oxidation of propene: influence of the activation conditions Antonio Aguilar-Tapia ¹ , Rodolfo Zanella ¹ , Christophe Calers ² , Catherine Louis ² and Laurent Delannoy ² ¹ <i>Centro de Ciencias Aplicadas y Desarrollo Tecnológico, UNAM, México D.F., México</i> ² <i>Laboratoire de Réactivité de Surface, UPMC-CNRS, 4 Place Jussieu, F-75005, Paris, France</i>
POC-6	Catalytic Wet Air Oxidation of phenol over a Tunisian clay modified by Al-Fe and Al-Cu Halima SASSI ^{1,2} , Gwendoline LAFAYE ¹ , Hedi BEN HAMOR ² , Abdelaziz GANNOUNI ² , Mohamed Razak JEDAY ² , Jacques BARBIER Jr. ¹ ¹ <i>Institute of Chemistry of Poitiers: Materials and Natural Resources (IC2MP) UMR 7285 CNRS, Université de Poitiers, 4 rue Michel Brunet, TSA 51106, 86073 Poitiers Cedex 9, France</i> ² <i>University of Gafes, National Engineering School of Gafes, Research Unit: Energetic and Environment, Omar Ibenkhattab St., 6029 Zrig, Gafes, Tunisia</i>
POC-7	Effect of CO in reactional mixture for toluene catalytic total oxidation with mixed oxides issued from hydrotalcite way E. Genty, J. Brunet, S. Capelle, S. Siffert, Renaud Cousin <i>1 Unité de Chimie Environnementale et Interactions sur le Vivant ; 59140 Dunkerque (France).</i>
POC-8	Selective liquid phase oxidation of glycerol to glycolic acid over Silver supported catalysts S. ZAID, ¹ E. Skrzynska, ^{1,2} J.-S. Girardon, ¹ M.Capron, ¹ , and F. Dumeignil ¹ ¹ <i>Univ. Lille1, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France</i> ² <i>Faculty of Chemical Engineering and Technology, Cracow University of Technology, Ul. Warszawska 24, 31-155 Cracow, Poland</i>
	CATALYSIS FOR ENVIRONMENT
PCE-1	Quantitative characterization of electrons produced by various photocatalysts Eva Jimenez-Relinque, Marta Castellote Armero <i>Institute of Construction Science, "Eduardo Torroja"- CSIC, Serrano Galvache, 4, 28033, Madrid, Spain.</i>
PCE-2	Cu/Hydroxyapatite : highly active nanocatalysts for the complete oxidation of Volatile Organic Compounds Dayan Chlala ^{1,2} , Jean-Marc Giraudon ¹ , Madona Labaki ² , Jean-François Lamonier ¹ ¹ <i>Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France.</i> ² <i>Lebanese University, Laboratory of Physical Chemistry of Materials (LCPM)/PR2N, Faculty of Sciences, Fanar, BP 90656, Jdeidet El Metn, Lebanon.</i>
PCE-3	Oxyfuel combustion exhaust purification: effect of support for Rh based catalysts Joudia Akil, ¹ S Siffert, ¹ L Pirault-Roy, ² R Cousin, ¹ C Poupin ¹ ¹ <i>Université du Littoral Côte d'Opale, Unité Chimie Environnementale et Interactions sur le vivant (UCEIV), 145, avenue Maurice Schumann, 59140, Dunkerque, France.</i> ² <i>Université de Poitiers, Institut de Chimie des Milieux et Matériaux de Poitiers (IC2MP) 4 rue Michel Brunet, TSA 51106, 86073 Poitiers Cedex 9, France.</i>
PCE-4	Methanol photocatalytic oxidation in visible light by Fe//SBA-15 N. Tabaja, ^{a,b,c} S. Casale, ^c D. Brouri ^c , A. Davidson ^c , J. Toufaily, ^b T. Hamieh, ^b S. Sladkevichs ^e and R. Cole ^e ^a <i>Université Libanaise, Ecole Doctorale en Sciences et Technologies, Hadath, Liban</i>

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d Institut Parisien de Chimie Moléculaire, Sorbonne Université, UMR 3282, Paris, France.
- PCE-5** **VOC catalytic total oxidation by O₃**
Houcine TOUATI, Sabine VALANGE, Marc REINHOLD, Jean-Michel TATIBOUËT
Université de Poitiers - Ecole Nationale Supérieur d'Ingénieurs de Poitiers, Institut de Chimie des Milieux et Matériaux de Poitiers, UMR CNRS 7285, 1, rue Marcel Doré, 86079 Poitiers cedex 9 (France)
- PCE-6** **Improved resistance to deactivation of coupled NH₃-SCR/DPF catalyst for Diesel exhaust emissions control**
Parnian Peyrovi, Pascal Granger, Christophe Dujardin
Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France
- PCE-7** **Impact of Biodiesel impurities on carbon oxidation**
Julie Schobing, V. Tscharmer, A. Brillard, G. Leyssens
Laboratoire Gestion des Risques et Environnement, Université de Haute Alsace, 3b rue A. Werner 68093 Mulhouse cedex – France
- PCE-8** **Pollen allergens removal byphotocatalysis**
Maria Sapiña¹, E.Jimenez¹, R. Nevshupa¹, E.Roman², M.Castellote¹
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² Institute of Materials Science of Madrid (ICMM-CSIC), C/Sor Juana Inés de la Cruz, 3, 28049 Madrid, Spain
- PCE-9** **High-performance catalysts for the treatment of N-containing organic pollutants by Catalytic Wet Air Oxidation**
Hana AYADI¹, Claude DESCORME¹, Laurence BOIS²
¹ IRCELYON, UMR CNRS 5256, 2 avenue Albert Einstein, 69626 Villeurbanne Cedex, France.
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- PCE-10** **Spherical mesoporous carbon replicas for removal of volatile organic compounds**
Kamil Machowski¹, Sebastian Jarczewski¹, Barbara Dudek¹, Marek Michalik², Piotr Kuśkowski¹
¹ Faculty of Chemistry, Jagiellonian University, Ingardena 3, 30-060 Kraków, Poland
² Institute of Geological Sciences, Jagiellonian University, Oleandry 2a, 30-063 Kraków, Poland
- PCE-11** **Synthesis, characterization and use of photoactive TiO₂-montmorillonite under sunlight for the removal of hexavalent chromium from water**
Mohamed Fouzi Ghorab and Ridha Djellabi
Laboratoire de Traitement des Eaux et Valorisation des Déchets Industriels (LTEVDI), Département de Chimie, Faculté des Sciences, Université Badji Mokhtar Annaba, BP 12 RP Annaba, 23000 Algérie.
- ### C1 CATALYSIS
- PC1C-1** **Comparative study of Ni-Mg-Al and Co-Ni-Mg-Al catalysts obtained via hydrotalcites for the dry reforming of the methane**
Ali Zazi^{1,2}, V.M.Gonzalez-dela Cruz^{3,2}, D Halliche¹, J.P.Holgado³, A.Caballero³, K.Bachari⁴, A.Saadi¹, S.Tezkatt², O.Cherifi¹
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⁴ Centre de Recherches Scientifiques (CRAPC), BP 248, 16004 Alger, Algeria
- PC1C-2** **Determination of formate decomposition rates and relation to product formation during CO hydrogenation over supported cobalt.**
D. Lorito, A. Paredes-Nunez, C. Mirodatos, Y. Schuurman, F.C. Meunier
Institut de Recherches sur la Catalyse et l'Environnement de Lyon, Université Lyon 1, CNRS, 2, Av. Albert Einstein, 69626, Villeurbanne, France
- PC1C-3** **Sulfur resistant water gas shift catalyst based on CoMo supported on NbMgAl mixed oxide derived from Nb-modified MgAl-hydrotalcite**
Jinxing Mi¹, Jianjun Chen¹, Laetitia Oliviero², Francoise Mauge², Lilong Jiang¹
¹. National Engineering Research Center of Chemical Fertilizer Catalyst (NERC-CFC), School of Chemical Engineering, Fuzhou University, Gongye Road No.523, Fuzhou 350002, Fujian, P. R. China
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- PC1C-4** **Catalytic methane steam reforming enhanced by CO₂ sorption**
Andrea Di Giuliano^{1,2}, Claire Courson¹, Pier Ugo Foscolo²
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- PC1C-5** **Development of methanation catalysts for the Power to Gas process**
Audrey Waldvogel¹, Anne-Cécile Roger¹, Sébastien Thomas¹, Myriam Frey¹, Sandra Capela², Jérôme Nguyen², Guilhem Roux³, Geneviève Geffraye³, Alain Bengaouer³, Arnaud Lahougue⁴
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- PC1C-6** **Role of mirror cation over hexaaluminates Catalysts in carbon dioxide reforming of methane**
K. Ikkour¹, D. Sellam¹, A. Kiennemann², S. Tezkatt¹, O. Cherifi³
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² Laboratoire Matériaux, Surfaces, Procédés pour la Catalyse (LMSPC) Université de Strasbourg, France.
³ Laboratoire du gaz naturel USTHB Bab Ezzouar Algeria
- PC1C-7** **Effect of a preparation procedure on the activity of ruthenium catalysts for CO methanation**

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PC1C-8

Bi-functional catalysts for direct DME synthesis: influence of Si/Al ratio

Qian JIANG, Ksenia PARKHOMENKO, Anne-Cécile ROGER

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PC1C-9

Determination of the most active sites for CO hydrogenation by *operando* DRIFTS study of cobalt and cobalt-tin catalysts

Anaëlle Paredes-Nunez, Laurence Burel, Nolven Guilhaume, Yves Schuurman, Frédéric Meunier

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CO₂ CONVERSION

PCO2C-1

Tuning the physicochemical properties of pure ZrO₂ catalysts to build structure-activity relationships in CO₂ conversion

Elodie WAN, Françoise QUIGNARD, Didier TICHIT, Nathalie TANCHOUX, Hugo PETITJEAN

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PCO2C-2

The Catalytic Hydrogenation of CO₂

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PCO2C-3

Zn-azatrane complexes as efficient catalysts for CO₂ Conversion

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PCO2C-4

The reactivity of Cu,Co,Fe spinel catalysts for CO₂ hydrogenation

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CATALYSIS BY ZEOLITES

PCZ-1

From Single to Multiple CO adsorption in CuI and NaI-exchanged FAU: a DFT investigation

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PCZ-2

Deactivation of silver doped ZSM-5 zeolite: study and remedy

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PCZ-3

Innovative strategy to design zeolite catalysts in the presence of biomass

Benoît Louis,¹ Claire Bernardon,¹ Alessandra Vieira,² Elisa Silva Gomes² Ana Belen Pinar,³ Marcelo Maciel Pereira,²

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PCZ-4

Ethanol-to-Propylene Reaction Catalyzed by Ion-Exchanged ZSM-5s

Maha Ammoury¹, Benjamin Katryniok¹, Svetlana Heyte¹, Guillaume Pomalaza^{1,2}, Kenichi Shimizu², Sébastien Paul¹, Franck Dumeignil¹ and Mickaël Capron¹

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PCZ-5

Ab initio simulation of the acid sites at the external surface of zeolite Beta

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PCZ-6

Catalytic performances of ceria-supported NiM2O4 (M=Al, Fe, Cr, Mn, Co) catalysts for dry reforming of methane

Rafik Benrabaa^{1,2}, Jesús Guerrero Caballero³, Axel Löfberg³, Hamza Boukhloouf^{1,4}, Karima Rouibah^{1,5}, Rose-Noëlle Vannier³, Annick Rubbens³, Elisabeth Bordes-Richard³, Akila Barama¹

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PCZ-7	Carbonylation of dimethyl ether over H-MOR: enhanced activity with controllable regulation of Brønsted acidity Shouying Huang, Meixia Wang, Jing Lv, Xinbin Ma <i>Key Laboratory for Green Chemical Technology of Ministry of Education, Collaborative Innovation Center of Chemical Science and Engineering, School of Chemical Engineering and Technology, Tianjin University; Tianjin 300072, China</i>
PCZ-8	Thermodynamic Assessment of Sorbate Interactions with Zeolites and MOFs Jeffrey Kevin and Jacek Jagiello <i>Micromeritics Instrument Corporation, Norcross, GA, USA</i>
PCZ-9	Catalytic combustion of polycyclic aromatic hydrocarbons (PAH) over zeolite –based catalysts Jihène SOUFI ^{1,2,4} , Isabelle PITTAULT ³ , Patrick GELIN ¹ , Valérie MEILLE ² , Laurent VANOYE ² , Frédéric BORNETTE ² , Emmanuel FIANI ⁴ ¹ Institut de Recherches sur la Catalyse et l'Environnement de Lyon, CNRS, UMR 5256, Université Lyon1, 2 avenue A. Einstein, F-69626 Villeurbanne Cedex, France. ² Laboratoire de Génie des Procédés Catalytique, Ecole de Chimie Physique électronique de Lyon, CNRS, UMR 5285, 43 boulevard du 11 novembre 1918, 69616 Villeurbanne Cedex, France. ³ Laboratoire d'Automatique et de Génie des Procédés, Université Lyon1, CNRS, UMR 5007, 43 boulevard du 11 novembre 1918, 69622 Villeurbanne Cedex, France. ⁴ ADEME Agence de l'Environnement de la Maîtrise de l'Energie, 20 avenue du Grésillé 49004 Angers Cedex01, France.
PCZ-10	Large or Nano ZSM-5Crystals:How Does Size Matter? Pit Losch, Benoit Louis <i>Laboratoire de Synthèse Réactivité Organiques et Catalyse, LASYROC, Institut de Chimie, UMR 7177CNRS, Université de Strasbourg, 1 rue Blaise Pascal, 67000 Strasbourg cedex, France.</i>

2ND SESSION (Wednesday, Thursday)

CATALYTIC MATERIALS

PCM-1	Preparation of a Beta / MCM-41 zeolite composite by the recrystallization method Mourad AZIBI, Aicha BENAMAR <i>Laboratoire d'Etude Physico-chimique des Matériaux et Application à l'Environnement, Université USTHB, Faculté de Chimie, Bp 32 El Alia Bab Ezzouar, 16111, Alger Algérie</i>
PCM-2	Electrostatic Immobilization of Substrate and POM Catalyst at the Surface of Micelles for Enhanced Reaction Efficiency in Water Léonard Schue ¹ , Pierre-Michel Jean-Baptiste ¹ , Yunyun Du ¹ , Hirokuni Jintoku ² , Hirotaka Ihara ² , Reiko Oda ¹ and Sylvain NLATE ¹ ¹ CBMN, UMR CNRS 5248, Université de Bordeaux, 2 Rue Robert Escarpit, 33607 Pessac, France ² Kumamoto University, Graduate School of Science and Technology, 2-39-1 Kurokami, Kumamoto 860-8555, Japan
PCM-3	High-purity alumina based shaped carriers with tailored acidity and basicity Katharina Heidkamp ¹ , Andrea Brasch ¹ , Christian Schrage ¹ , Dirk Niemeyer ¹ , Hans-Jörg Wölk ² ¹ Sasol Germany GmbH, Fritz-Staiger Str. 15, 25541 Brunsbüttel, Germany ² Sasol Germany GmbH, Anckelmannsplatz 1, 20537 Hamburg, Germany
PCM-4	Temperature effect on isopropanol decomposition reaction based on H4PMo11VO40/HMS catalyst N.Salhi ^{1,2} , S.Benadjli ² , M.Boudjeloud ² , A.Saadi ² , C.RABIA ² ¹ Laboratoire LCPMM, Département de chimie, Faculté des Sciences, U. Blida 1, route de Soumaa Blida. ² Laboratoire de Chimie du Gaz Naturel, Faculté de Chimie, USTHB 109 El-Alia Bab Ezzouar, Alger-Algérie.
PCM-5	Preparation and structural analysis of silica supported NbC catalysts Nobuyuki Ichikuni ¹ , Fumitaka Yanagase ¹ , Kei Mitsuhashi ² , Takayoshi Hara ¹ , Shogo Shimazu ¹ ¹ Dept. Appl. Chem. Biotech., Chiba University, Yayoi-cho, Inage-ku, Chiba, 263-8522, Japan. ² Res. Org. Sci. Tech., Ritsumeikan University, Kusatsu, Shiga, 525-8577, Japan
PCM-6	Effect of potassium on the activity of cobalt catalysts for NH ₃ synthesis Aleksandra Tarka, ¹ Klaudia Kożera, ¹ Magdalena Zybert, ¹ Bogusław Mierzwa, ² Leszek Kępiński, ³ Wioletta Raróg-Pilecka, ¹ ¹ Faculty of Chemistry, Warsaw University of Technology, Noakowskiego 3, 00-664 Warsaw, Poland ² Institute of Physical Chemistry Polish Academy of Sciences, Kasprzaka 44/52, 01-224 Warsaw, Poland ³ Institute of Low Temperature and Structure Research Polish Academy of Sciences, Okólna 2, 50-950 Wrocław, Poland
PCM-7	Hydrolysis of sodium borohydride and ammonia borane on carbon supported Ru, Pt and Ru-Pt catalysts Robert Kosydar ¹ , Salvatore Scire ² , Alicja Drelinkiewicz ¹ , Roberto Fiorenza ² , Elżbieta Bielańska ¹ , Marcel Krzan ¹ , Jacek Gurgul ¹ , Małgorzata Ruggiero-Mikołajczyk ¹ ¹ Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Niezapominajek 8, 30-239 Cracow, Poland ² Dipartimento Scienze Chimiche, Università di Catania, Viale A. Doria 6, 95125 Catania, Italy
PCM-8	Effect of a cerium addition method on the activity of cobalt catalysts for ammonia synthesis process Magdalena Zybert, ¹ Małgorzata Wyszyńska, ¹ Aleksandra Tarka, ¹ Bogusław Mierzwa, ² Leszek Kępiński, ³ Wioletta Raróg-Pilecka, ¹ ¹ Faculty of Chemistry, Warsaw University of Technology, Noakowskiego 3, 00-664 Warsaw, Poland ² Institute of Physical Chemistry Polish Academy of Sciences, Kasprzaka 44/52, 01-224 Warsaw, Poland ³ Institute of Low Temperature and Structure Research Polish Academy of Sciences, Okólna 2, 50-950 Wrocław, Poland
PCM-9	Preparation method effect on the catalytic properties of copper-based catalyst. Ibtissem Lounas ¹ , Hanene Zazoua ² , Adel Saadi ¹ et Cherifa Rabia ¹ ¹ Laboratoire de Chimie du Gaz Naturel, Faculté de Chimie, USTHB, BP32 El-Alia, 6111 Bab-Ezzouar, Algérie. ² Centre de Recherche Scientifique et Technique en Analyse Physico-Chimique, Bou-Ismail, Tipaza, Algérie.
PCM-10	Silica supported Au nanoparticles prepared by impregnation method using Au amino acid complexes Haruno Murayama, ¹ Takayuki Hasegawa, ¹ Misaki Tone, ¹ Yusuke Yamamoto, ¹ Tamao Ishida, ² Tetsuo Honma, ³ Makoto Tokunaga ¹ ¹ Department of Chemistry, Kyushu University, 744 Motooka Nishi-ku, 819-0395, Fukuoka, Japan. ² Department of Applied Chemistry, Tokyo Metropolitan University, 1-1 Minami-Osawa, Hachioji, 192-0397, Tokyo, Japan. ³ Industrial Application Division, Japan Synchrotron Radiation Research Institute, 1-1 Kouto, Sayo-cho, 679-5198, Hyogo, Japan.
PCM-11	Study of the activation process of the Ziegler-Natta catalyst

	Vincenza D'Anna, Philippe Sautet <i>Laboratory of Chemistry, University of Lyon, CNRS and Ecole Normale Supérieure de Lyon, 46, Allée d'Italie, 69364 Lyon 07, France.</i>
PCM-12	Physicochemical characterization of new volcanic clay in South West Algerian Area Asma Behilil ¹ , Driss Lahcene ¹ , Brahim Zahraoui ¹ , Houcine Benmehdi ¹ , Abderrahim Choukchou-Braham ² , and Frédéric Thibault-Stazyk ³ . ¹ Laboratoire de Chimie et science d'environnement, Faculté des Sciences et exacte, Université TAHRI Mohamed de Béchar, BP 417 Route Kenadsa Béchar 08000, Algérie. ² Laboratoire de Catalyse et Synthèse en Chimie Organique, Faculté des Sciences, Université A. Belkaïd, B.P. 119 Tlemcen 13000, Algérie. ³ Laboratoire Catalyse et Spectrochimie, ENSICAEN, Université de Caen-Normandie, CNRS, 6 boulevard Maréchal Juin, 14050 Caen, France
PCM-13	Synthesis of 3,4-dihydropyrimidin-2(1H)-ones over Mo/Al₂O₃ and Mo/SiO₂catalysts Ouzna Kheffache ¹ , Meriem Boudjeloud ¹ , Saliba Menad ² , Inmaculada Rodríguez-Ramos ³ and Ouiza Cherif ⁴ . ¹ Laboratoire de Chimie du Gaz Naturel, Faculté de Chimie, Université des Sciences et de la technologie Houari Boumédiène, USTHB PB 32, 16111, El Alia Bab-Ezzouar, Alger, Algérie. ² Laboratoire de Recherche de Chimie Appliquée et Génie Chimique, Université Mouloud Mammeri de Tizi-Ouzou, UMMTO, 15000, Tizi-Ouzou, Algérie. ³ Instituto de Catálisis y Petroleoquímica, CSIC, C/Marie Curie 2, Cantoblanco, 28049 Madrid, Spain. ⁴ Université M'Hamed Bougara, Boumerdes, Avenue de l'indépendance, 35000, Boumerdes, Algérie.
PCM-14	Influence of nickel load and calcination temperature in Ni/CeO₂ catalyst in APR process of glycerol Clara Ángela Jarauta-Córdoba, Lucía García, Joaquín Ruiz, Miriam Oliva, Jesús Arauzo <i>Thermochemical Processes Group, Aragón Institute for Engineering Research (I3A), Universidad de Zaragoza. C/Mariano Esquillor s/n, 50018, Zaragoza, Spain.</i>
PCM-15	State of Copper in LTL Zeolite Nanocrystals A. Kharchenko, ^{1,2} A. Vicente, ¹ O. I. Lebedev, ³ H. Vezin, ² C. Fernandez, ¹ V. De Waele, ² S. Mintova ¹ ¹ Laboratoire Catalyse et Spectrochimie (LCS), ENSICAEN-Université de Caen-CNRS, 6, boulevard du Maréchal Juin, 14050 Caen, France ² Laboratoire de Spectrochimie Infrarouge et Raman (LASIR), CNRS, Lille, France ³ Laboratoire de cristallographie et sciences des matériaux UMR 6508 (CRISMAT), CNRS/ENSICAEN, 6, boulevard du Maréchal Juin, 14050 Caen, France
PCM-16	Synthesis of ethyl lactate with highly active SnSi mesoporous mixed oxide catalysts prepared by an aerosol-assisted sol-gel process Damien P. Debecker, ¹ , Nicolas Godard, ² Xavier Collard, ² Lorenzo Canavicci, ¹ Carmela Aprile ² ¹ Institute of Condensed Matter and Nanoscience - Université catholique de Louvain., Belgium. ² Unit of Nanomaterial Chemistry, University of Namur, Department of Chemistry, Belgium
PCM-17	Sonochemical synthesis of metal oxide catalysts for methane catalytic combustion:<i>in situ</i> and <i>operando</i> spectroscopic studies Przemysław J. Jodłowski, ¹ R. J. Jędrzejczyk ² , D. Chlebda ³ , E. Piwowarczyk ³ , M. Chrzan ³ , M. Sitarz ⁴ , J. Łojewska ³ ¹ Faculty of Chemical Engineering and Technology, Cracow University of Technology, Warszawska 24, 31-155 Kraków, Poland ² Małopolska Centre of Biotechnology, Jagiellonian University, Gronostajowa 7A, 30-387 Kraków ³ Jagiellonian University, Faculty of Chemistry, Ingardena 3, 30-060 Kraków, Poland ⁴ Faculty of Materials Science and Ceramics, AGH University of Science and Technology, al. Mickiewicza 30, 30-059 Kraków, Poland
PCM-18	A Pd/CeO₂ "H2 pump" for the direct amination of alcohols Ajay Tomer, ^{1,2} Zhen Yan, ¹ Marc-Pera Titus, ¹ Anne Ponchel, ² and Eric Monflier ² ¹ Eco-Efficient Products and Processes Laboratory (E2P2L), UMI 3464 CNRS – Solvay, 3966, Jindu Road, 201108 Shanghai, PR China ² Unité de Catalyse et de Chimie du Solide (UCCS), UMR 8181 CNRS – Université d'Artois, Faculté des Sciences Jean Perrin, 62300 Lens, France
PCM-19	Influence of phosphate structure on acid-base properties of phosphate-modified zirconia T. Onfroy ^{1,3} , A. Aboulayt ^{1,2} , A. Travert ¹ , G. Clet ¹ , F. Maugé ¹ ¹ Laboratoire Catalyse et Spectrochimie, ENSICAEN-Université de Caen Normandie-CNRS, 6 Bd. du Maréchal Juin, 14050, Caen, France. ² Equipe Thermodynamique, Surface et Catalyse, Département de Chimie, Faculté des Sciences, Université Chouaib Doukkali, B.P., 20, El Jadida, Maroc. ³ Laboratoire de Réactivité de Surface, Sorbonne Université, UPMC Univ Paris 06 -CNRS, 4 Place Jussieu, 75005, Paris, France.
PCM-20	Preparation, characterization and application of cobalt spinel ferrite obtained by hydrothermal treatment. Yasmina Hammiche-Bellai ¹ , Laâldja Meddour-Boukhobza ¹ , Amar Djadoun ² , Marie-Hélène Berger ³ , Mohamed Sennour ³ , Abdennour Meddour ³ , Amel Benadda ¹ , Aline Auroux ⁴ . ¹ Lmccc, Faculté de Chimie, Usthb. Bp32 El Alia, Bab Ezzouar, 16111, Alger, Algérie. ² Lgp, Fstgat, Usthb, Bp32 El Alia, Bab Ezzouar 16111, Alger, Algérie. ³ Mat, Centre des Matériaux, MINES-ParisTech, France. ⁴ Cnrs, Université Claude Bernard, Lyon, France.
PCM-21	In-situ multi-technique characterization of Cu_xO/CeO₂ catalysts for CO-PROX Manuel Monte ¹ , Arturo Martínez-Arias ² , José Carlos Conesa ² ¹ European Synchrotron Radiation Facility, Grenoble 38000, France. ² Instituto de Catálisis y Petroleoquímica – CSIC, Madrid 28049, Spain.
PCM-22	Benzaldehyde reduction over Cu-Al-O bimetallic oxide. Influence of catalyst preparation pH Naima Haddad ¹ , Adel Saadi ¹ , Axel Löfberg ² , Rose Noël Vannier ² , Elisabeth Bordes-Richard ² , Cherifa Rabia ¹ ¹ Laboratoire de Chimie du Gaz Naturel, Faculté de Chimie, USTHB, BP 32, El-Alia, 16111, Bab-Ezzouar, Alger, Algérie. ² Unité de Catalyse et de Chimie du Solide, UMR CNRS 8181, Université des Sciences et Technologies de Lille, Cité Scientifique, 59655, Villeneuve d'Ascq, France.
PCM-23	Activation and mobility of oxygen in MIEC oxides Pierre-Alexis Répécaud ^{1,2} , Helena Kaper ¹ , Mélissandre Richard ² , Fabien Can ² , Nicolas Bion ² ¹ Ceramic Synthesis and Functionalization Laboratory, Saint-Gobain CREE, 550 Av. Alphonse Jauffret, Cavaillon, France. ² University of Poitiers, CNRS UMR 7285, Institut des Milieux et Matériaux de Poitiers (IC2MP), 4 rue Michel Brunet, TSA51106, 86073 Poitiers Cedex9, France.
PCM-24	Novel process for eggshell-type Co/Al₂O₃ catalysts: Application in Fischer-Tropsch synthesis Xuemei LIU, Mengnan LU, Nouria FATAH <i>Unité de Catalyse et de Chimie du Solide, Ecole Nationale Supérieure de Chimie de Lille, Cité Scientifique, 59650 Villeneuve d'Ascq, France.</i>
PCM-25	Catalytic performance of CMK-type carbon replicas synthesized under different conditions in the

	oxidative dehydrogenation of ethylbenzene
	Sebastian Jarczewski ¹ , Anna Wach ¹ , Barbara Dudek ¹ , Piotr Kuśkowski ¹ , Piotr Michorczyk ² , Mirian Elizabeth Casco ³ , Francisco Rodríguez-Reinoso ³
	¹ Jagiellonian University, Faculty of Chemistry, Department of Chemical Technology, Ingardena 3, 30-060 Krakow, Poland
	² Cracow University of Technology, Institute of Organic Chemistry and Technology, Warszawska 24, 31-155 Kraków, Poland
	³ Laboratorio de Materiales Avanzados, Departamento de Química Inorgánica, Universidad de Alicante, Apartado 99, Spain
PCM-26	Application of montmorillonite/poly(acrylic acid) nanocomposites modified with Cu²⁺ or Co²⁺ cations as precursors of oxide catalysts
	Piotr Natkański ¹ , Anna Rokicińska ¹ , Anna Wach ¹ , Piotr Kuśkowski ¹ , Lidia Lityńska-Dobrzyńska ²
	¹ Faculty of Chemistry, Jagiellonian University, Ingardena 3, 30-060 Kraków, Poland
	² Institute of Metallurgy and Materials Science PAS, Reymonta 25, 30-059 Kraków, Poland
PCM-27	Preparation of iron-ceria for the oxidative dehydrogenation of <i>n</i>-octane to octene.
	Nia Richards, Simon Kondrat, Jonathan Bartley, Graham Hutchings.
	<i>Cardiff Catalysis Institute, Cardiff University, Cardiff, CF10 3AT, United Kingdom.</i>
	HYDROGENATION
PHYD-1	Copper-containing hexagonal mesoporous silicas for hydrogenation of benzaldehyde to benzyl alcohol.
	Ouardia Zekri ¹ , Adel Saadi ¹ et Franck Launay ²
	¹ Laboratoire du Gaz naturel, Université des Sciences et Technologie Houari Boumediene (USTHB), Faculté de Chimie, Bp 32 El Alia Bab Ezzouar, 16111 Alger, Algérie.
	² Laboratoire de Réactivité de Surface, Université Pierre et Marie Curie, UMR CNRS 7197, 4 place Jussieu, 75005 Paris, France.
PHYD-2	Platinum nanoparticle shape control to tune the selectivity in catalytic hydrogenation of α,β unsaturated aldehydes
	Laurent Peres ¹ , Katerina Soulantika ¹ , Rosa Axet ² , Philippe Serp ²
	¹ Laboratoire de Physique et Chimie des Nano-Objets/LPCNO, UMR 5215 INSA/UPS/CNRS, Université de Toulouse, Institut National des Sciences Appliquées, 135 avenue de Rangueil, 31077 Toulouse, France.
	² Laboratoire de Chimie de Coordination/LCC, UPR CNRS 8241, Composante ENSIACET, Université Toulouse, 4 allée Emile Monso, 31030 Toulouse, France.
PHYD-3	Selective catalytic hydrogenation of cinnamaldehyde and nitrobenzene over Ru@C60 nanocatalyst
	Faqiang LENG, M. Rosa AXET, and Philippe SERP
	<i>Laboratoire de Chimie de Coordination UPR CNRS 8241 composante ENSIACET, Université de Toulouse UPS-INP-LCC, 4 allée Emile Monso BP 44362, 31030 Toulouse Cedex 4 (France)</i>
PHYD-4	High-throughput synthesis of Ni and Cu catalysts for low temperature hydrogenation of carbohydrates.
	Felipe Ramos Neves, Jin Sha, Joëlle Thuriot, Svetlana Heyte, Sébastien Paul, Franck Dumeignil, Robert Wojcieszak, Marcia Araque Marin
	<i>Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France</i>
PHYD-5	Selectivity in the aqueous phase hydrogenation of succinic acid over molybdenum and tungsten carbide catalysts
	Noémie Perret, Catherine Pinel, Michèle Besson
	<i>IRCELYON, Institut de recherches sur la catalyse et l'environnement de Lyon, UMR5256 CNRS- Université Lyon 1, 69626 Villeurbanne, France.</i>
PHYD-6	Efficient and versatile Ru/SBA-15 catalysts for liquid phase hydrogenation of C=O, C=C and C≡C bonds under mild conditions
	Dorota Duraczyńska, ¹ Alicja Michalik-Zym, ¹ Bogna D. Napruszewska, ¹ Robert P. Socha, ¹ Lidia Lityńska-Dobrzyńska, ² Ewa M. Serwicka ¹
	¹ Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Niezapominajek 8, 30-239 Cracow, Poland
	² Institute of Metallurgy and Materials Science of Polish Academy of Sciences, Reymonta 25, 30-059 Cracow, Poland
PHYD-7	Activity and selectivity control in hydrogenation of furfural and cinnamaldehyde on Mo- and W-oxides supported Pd catalysts
	Robert Kosydar, Michał Kołodziej, Erwin Lalik, Jacek Gurgul, Dorota Duraczyńska, Alicja Drelinkiewicz
	<i>Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, ul. Niezapominajek 8, 30-239 Cracow, Poland</i>
PHYD-8	SELECTIVE HYDROGENATION OF BENZALDEHYDE OVER COPPER HYDROTALCITE LIKE-CATALYSTS
	Hanane ZAZOUA ^{1,2} , Adel SAADI ¹ , Khaldoun BACHARI ^{1,2} , Ibtissem LOUNAS ¹ , Cherifa RABIA ¹
	¹ Laboratoire de Chimie du Gaz Naturel, Institut de Chimie, USTHB, BP32 El-Alia, 16111 Bab-Ezzouar, Alger, Algérie.
	² Centre de Recherche Scientifique et Technique en Analyses Physico-Chimiques (C.R.A.P.C). BP 248, 16004 Alger, Algérie.
	BIOMASS
PB-1	BIOSOURCED IONIC LIQUIDS FOR CATALYSIS
	Safa HAYOUNI, Sandrine BOUQUILLON
	<i>Institut de Chimie Moléculaire de Reims UMR 7312 1, University of Reims Champagne Ardenne-UFR Sciences, BP 1039, 51687, Reims Cedex 2, France.</i>
	BIOMASS FOR ENERGY
PBE-1	Influence of the support on the reaction network of ethanol steam reforming at low temperatures over Pt catalysts
	M. Kourtelesis ¹ , P. Panagiotopoulou ² and X.E. Verykios ¹
	¹ Department of Chemical Engineering, University of Patras, Caratheodori 1, 26504, Patras, Greece.
	² School of Environmental Engineering, Technical University of Crete, 73100, Chania, Greece.
PBE-2	Low temperature hydrogen production by autothermal reforming of ethanol on nickel cerium based

- PBE-4** oxyhydride catalysts.
 Yann Romani¹, C. Pirez¹, S. Paul¹, F. Dumeignil^{1,2}, L. Jalowiecki-Duhamel¹
¹ Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France.
² Institut Universitaire de France, 75005 Paris, France.
- PBE-6** Oxidative biogas reforming for hydrogen production over cerium nickel and aluminum based catalysts
 Yaqian Wei¹, C. Pirez¹, S. Paul¹, F. Dumeignil^{1,2}, L. Jalowiecki-Duhamel¹
¹ Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France.
² Institut Universitaire de France, 75005 Paris, France.
- PBE-7** Catalytic conversion of pyrolytic vapors of woody biomass
 Alexandre MARGERIAT, Nolven GUILHAUME, Claude MIRODATOS, Christophe GEANTET, Dorothée LAURENTI, Yves SCHUURMAN
 IRCELYON, UMR 5256, CNRS - Université Lyon 1, 2 Avenue Albert Einstein, 69626 Villeurbanne, France
- PBBP-1** Valorization of biogas over promoted molybdenum carbide catalysts via dry methane reforming and Fischer-Tropsch synthesis
 Tong Li, Mirella Virginie, Andrei Y. Khodakov
Unité de catalyse et de chimie du solide, UMR 8181 CNRS, Université Lille, Sciences et Technologies, Cité Scientifique, 59655 Villeneuve d'Ascq, France
BIOMASS FOR BIO-PRODUCTS
- PBBP-2** Mixed spinels as redox catalysts for the oxidation of HMF to FDCA
 Atif Emre Demet^{1,2}, Nathalie Tanchoux², Françoise Quignard², Gabriele Centi¹, Siglinda Perathoner¹, Francesco Di Renzo²
¹ Department of Engineering, Università di Messina, Viale Stagno d'Alcontres 31, 98166 Messina, Italy
² Institut Charles Gerhardt Montpellier, UMR 5253 CNRS-UM-ENSCM, ENSCM, 8 Rue Ecole Normale, 34296 Montpellier, France
- PBBP-3** New trends in the production of green hydrocarbons from fatty acids via catalytic decarboxylation reactions
 Anouchka. M. Kiméné¹, C.Durlin², O.Simon², R. Wojcieszak¹, Sébastien Paul¹
¹ Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France
² Weylchem Lamotte S.A.S, Rue du Flottage, B.P. 1, 60350 Tosny Breuil, France
- PBBP-4** Steam reforming of ethanol and glycerol over functionally graded nickelate-based catalysts: from grain to structured catalysts
 Marina ARAPOVA^{1,2}, Svetlana PAVLOVA¹, Ksenia PARKHOMENKO², Tatiana GLASNEVA¹, Tatiana LARINA¹, Vladislav SADYKOV^{1,3}, Anne-Cécile ROGER², Oleg SMORYGO⁴
¹ Laboratory of deep oxidation catalysts, Boreskov Institute of Catalysis SB RAS, Lavrentieva 5, 630090 Novosibirsk, Russia
² Novosibirsk State University, Pirogova 2, 630090 Novosibirsk, Russia
³ ICPEES, Université de Strasbourg, 25 rue Becquerel, 67087 Strasbourg cedex, France
⁴ Institute of Powder Metallurgy, 220005, Minsk, Belarus
- PBBP-5** Acrolein production from a mixture of methanol and ethanol
 Anita Borowiec¹, Mickaël Capron¹, Jean-François Devaux², Jean-Luc Dubois³, Loïc Jouenne¹, Muriel Bigan⁴, Jérémie Faye⁵, Franck Dumeignil¹
¹ Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide, F-59000 Lille, France
² Arkema, rue Henri Moissan, 69491 Pierre Bénite cedex, France
³ Arkema France, 420 Rue d'Estienne d'Orves, 92705 Colombes, France
⁴ Charles Viollette Institute, Team ProBioGEM, Bâtiment Polytech'Lille, Boulevard Paul Langevin, BP 179, 59655 Villeneuve d'Ascq, France
⁵ TEAMCAT Solutions, Ecole Centrale de Lille, Cité Scientifique, 59650 Villeneuve d'Ascq, France
- PBBP-6** D-L LIMONENE TRANSFORMATION TO AROMATICS COMPOUNDS OF INDUSTRIAL VALUE USING HETEROPOLYACIDS BASED CATALYST
 Claudia Patricia Tavera Ruiz^{1,2}, Paola Gauthier-Maradei¹, Cyril Pirez², Olivier Gardoll², Jean-Charles Morin², Franck Dumeignil² and Mickael Capron²
¹ INTERFASE, Universidad Industrial de Santander, Cl 9 Cra 27, Bucaramanga, Colombia.
² UCCS, Université de Lille 1, Bâtiment C3, Cité Scientifique, Villeneuve d'Ascq, 59650, France.
- PBBP-7** Cellulose Transformation to Glucose and 5-HMF over Sibunit Carbon and NbOx/ZrO2 Solid Acid Catalysts. Process Kinetic Modeling
 Nikolay V. Gromov,^{1,2,3} Pavel A. Kolinko,^{1,4} Cyril Aymonier,² Oxana P. Taran,^{1,5}
¹ Boreskov Institute of Catalysis SB RAS, 5, av. Lavrentiev, 630090, Novosibirsk, Russia.
² Institut de chimie de la matière condensée de Bordeaux, CNRS, ICMCB, UPR 9048, 87, av. du Dr Schweitzer, 33608, Pessac, France.
³ Université Bordeaux, ICMCB UPR 9048, Pessac, 33600, France.
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- PBBP-8** Ethers synthesis by reaction between glycerol and fatty alcohols
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- PBBP-9** Ru/SBA-15 catalysts for efficient liquid phase hydrogenation of acetol to 1,2-propanediol under mild conditions
 Dorota Duraczyska,¹ Alicja Michalik-Zym,¹ Bogna D. Napruszewska,¹ Robert P. Socha,¹ Lidia Lityńska-Dobrzyńska,² Ewa M. Serwicka,¹ Robert M. Kosydar¹
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² Institute of Metallurgy and Materials Science of Polish Academy of Sciences, Reymonta 25, 30-059 Cracow, Poland
- PBBP-10** Direct catalytic conversion of glucose to lactic acid
 Cristina Megias Sayago, Svetlana Ivanova, Miguel Angel Centeno, José Antonio Odriozola
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PBBP-10

Selective C-O hydrogenolysis of sugar polyols to deoxygenated products over heterogeneous catalysts

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PBBP-11

Biocatalytic polymerization of the lignin residues for tunable biocomposites production

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