

PROGRAMME FOR THE FLASH PRESENTATIONS

Monday, 20 June 2022

- 16:00 **Johannes Zenner**
Synthesis, Characterization and Catalytic Application of Colloidal and Supported Mn Nanoparticles
- 16:05 **Alessandro Vomeri**
Benzaldehyde-mediated oxidation of cyclohexane to K-A oil: a mechanistic investigation
- 16:10 **Zama G. Duma**
Thermocatalytic hydrogenation of CO₂ to methanol using Cu-ZnO bimetallic catalysts supported on metal-organic frameworks
- 16:15 **Elena Alvarez Ruiz**
Multinuclear titanium complexes for catalytic transformations
- 16:20 **Sie Shing Wong**
Quantum Yield Enhancement in Photocatalytic HCOOH Decomposition to H₂ under Periodic Illumination
- 16:25 **Georgios Bamos**
Performance of Pt catalysts dispersed on modified TiO₂ supports for the water-gas shift reaction
- 16:30 **Jeroen T. Vossen**
Hydroformylation of 1-Octene in TMS and biphasic Systems with Ethylene Carbonate and a Crystallization of the Catalyst Phase
- 16:35 **Madan Mohan Behera**
Optimisation of a catalytic process for CO₂ purification from oxycombustion
- 16:40 **Christophe Vos**
Ru-Bipyridine Entrapped in the Supercages of EMC-1 Faujasite as Catalyst for the Trifluoromethylation of Arenes
- 16:45 **Silvio Bellomi**
HYDRAZINE SELECTIVE DECOMPOSITION OVER METAL FREE CARBONACEOUS MATERIALS
- 16:50 **Suyun Sun**
Cyclopropanation of Olefins Using Dichloromethane via Photoredox Catalysis
- 16:55 **Adrián Calvo-Molina**
Dinitrogen Activation and Functionalization at Low-Valent Titanium Monocyclopentadienyl Complexes

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- 16:00 **Hiep Thi Thanh Le**
Assessment of DFT calculations across periodic models and finite-size clusters for the conversion of methyl levulinate to γ -valerolactone on UiO-66 MOF
- 16:05 **Alejandro Serrano-Maldonado**
Cobalt-based nanocatalysts for valorisation of fatty acids
- 16:10 **Tianyu Gao**
Design of 2D covalent organic frameworks-incorporated heteropolyacid materials for acid catalysis
- 16:15 **Andrea Rogolino**
Metal-Polymer Heterojunction in Colloidal-Phase Plasmonic Catalysis
- 16:20 **Gjani Hulaj**
Full catalytic dehalogenation of brominated flame retardants
- 16:25 **Rosa Pich Comas**
CO₂ capture and transformation into molecules of interest using a catalytic membrane system
- 16:30 **Konstantinos Kouvelis**
Solar light – driven photocatalytic degradation of pharmaceutical compounds by Cu₃P / ZnSnO₃ composites
- 16:35 **Marceline Humbert**
Development of a new non-innocent platform for group 10 metals
- 16:40 **Mariia Merko**
Non-oxidative dehydrogenation of methanol to formaldehyde over bulk β -Ga₂O₃
- 16:45 **Panagiotis Mallis**
Dry reforming of methane for syngas production over Ru catalysts supported on mixed CeO₂ - M₂O₃ oxides (M: La, Pr, Nd, Eu, Gd, Tb, Dy, Er)
- 16:50 **Alejandro Pérez-Alonso**
NICKEL NANOPARTICLES IMMOBILIZED ON HALLOYSITE. AN OUTSTANDING CATALYST TOWARDS HYDROGENATION
- 16:55 **Sheng-Hsiang Lin**
Selective hydrodeoxygenation of aldehydes under mild condition using copper-decorated iron carbide nanoparticle activated by magnetic induction