Foreword

Scientific Committee

Organizing Committee

Financial Support

Industrial and Engineering Problems

Homogeneous catalysis for fine chemicals synthesis - new trends and perspectives

Catalysis for agrochemicals: the case history of the DUAL herbicide

Heterogeneous vs. homogeneous catalysis in manufacturing of terbinafine - a case study for route selection of an industrial process

Multiple use of palladium in a homogeneous and a consecutive heterogeneous catalytic reaction

The optimization of the catalytic hydrogenation of hydroxybenzamidines to benzamidines

Catalytic hydrogenation reactors for the fine chemicals industries; their design and operation

Selective catalytic hydrogenation of 2-butene-1,4-diol to cis-2-butene-1,4-diol in mass transfer efficient slurry reactors

Alkylation and Acylation Reactions

Replacing liquid acids in fine chemical synthesis by sulfonated polysiloxanes as solid acids and as acidic supports for precious metal catalysts

Amine functions linked to MCM-41-type silicas as a new class of solid base catalysts for condensation reactions

Modified clay catalysts for acylation of crown compounds

Acylation of aromatics over a HBEA Zeolite; effect of solvent and of acylating agent

Zeolite-catalysed acetylation of alkenes with acetic anhydride

Influence of the acidity and of the pore structure of zeolites on the alkylation of toluene by 1-heptene

Reductive O- and N-alkylations; alternative catalytic methods to nucleophilic substitution

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Preparation of symmetrical and mixed secondary alkylamines over Raney nickel and supported copper catalysts

Synthesis of dimethylethylamine from ethylamine and methanol over copper catalysts

Catalyst acid/base properties regulation to control the selectivity in gasphase methylation of catechol

Enantio- and Diastereoselective Hydrogenation Reactions

Enantioselective hydrogenation of ethyl-pyruvate and isophorone over modified Pt and Pd catalysts

Controlling the enantioselective hydrogenation of ethyl pyruvate using zeolites as catalyst support

Kinetic modeling of the ligand accelerated catalysis in the enantioselective hydrogenation of ethyl pyruvate; influence of solvents, catalysts and additives

Modeling of kinetically coupled selective hydrogenation reactions: kinetic rationalization of pressure effects on enantioselectivity
Enantioselective hydrogenation of (E)-\([\alpha]\)-phenylcinnamic acid on cinchonidine-modified palladium catalysts: influence of support

Enantio-differentiating hydrogenation of 3-alkanones with asymmetrically modified fine nickel powder

Diastereoselective hydrogenation of a prostaglandin intermediate over Ru supported on different molecular sieves

Diastereoselective hydrogenation of substituted aromatics on supported rhodium catalysts: influence of support and of thermal treatment

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Selective reduction of nitro groups in aromatic azo compounds

Selective catalytic hydrogenation of 2,4-dinitrotoluene to nitroaryl-hydroxylamines on supported metal catalysts

Kinetics and pathways of selective hydrogenation of 1-(4-nitrobenzyl)-1,2,4-triazole

Design of selective 1-ethyl-2-nitromethyleneprrolidine hydrogenation for pharmaceuticals production

Kinetic study of a nitroaliphatic compound hydrogenation

Kinetics of the hydrogenation of citral over supported Ni catalyst

Selective hydrogenation of [alpha, beta]-unsaturated aldehydes to allylic alcohols over supported monometallic and bimetallic Ag catalysts

Surface organometallic chemistry on metals; selective hydrogenation of acetophenone on modified rhodium catalyst

Use of Ni containing anionic clay minerals as precursors of catalysts for the hydrogenation of nitriles

The effect of co-adsorbates on activity/selectivity in the hydrogenation of aromatic alkyenes

Simple preparation of bimetallic palladium-copper catalysts for selective liquid phase semihydrogenation of functionalized acetylenes and propargylic alcohols

Catalytic hydrogenation by polymer stabilized rhodium

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Selective aerobic epoxidation of olefins over NaY and NaZSM-5 zeolites containing transition metal ions

Effect of preparation methods of titania/silicas on their catalytic activities in the oxidation of olefins

Heterogeneous catalysts from organometallic precursors: how to design isolated, stable and active sites; applications to zirconium catalyzed organic reactions

Selective sulfoxidation of thioethers on Ti-containing zeolites under mild conditions

Allylic oxidation of cyclohexene catalysed by metal exchanged zeolite Y

Ammonoxidation of methylaromatics over NH\([4]^{+}\)-containing vanadium phosphate catalysts - new mechanistic insights

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On the role of bismuth-based alloys in carbon-supported bimetallic Bi-Pd catalysts for the selective oxidation of glucose to gluconic acid

Selective oxidation of 5-hydroxymethylfurfural to 2,5-furandicarbox-aldehyde in the presence of titania supported vanadia catalysts

Dehydrogenation of methoxyisopropanol to methoxyacetone on supported bimetallic Cu-Zn catalysts

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Selective oxidation with air of glyceric to hydroxypyruvic acid and tartronic to mesoxalic acid on PtBi/C catalysts

Immobilized and Encapsulted Complex Catalysts

PDMS occluded Ti-MCM-41 as an improved olefin epoxidation catalyst

Epoxidation with manganese N,N'-bis(2-pyridinecarboxamide) complexes encapsulated in Zeolite Y

Selective oxidation of benzyl alcohol on a zeolite ship-in-a-bottle complex

Oxidation of pinane using zeolite encapsulated metal phthalocyanine catalysts

Hydrogenation of carbonyl groups containing compounds over Pt(II)-salen complexes occluded in zeolites

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Catalytic enantioselective addition of diethylzinc to benzaldehyde induced by immobilized ephedrine: comparison of silica and MCM-41 type mesoporous silicates as supports

The immobilization of sulfonated Ru-BINAP chloride by anion exchange on layered double hydroxides

Regiospecific hydrosilylation of styrene by rhodium complexes heterogenised on modified USY-zeolites

Polymer-supported Al and Ti species as catalysts for Diels-Alder reactions

Molecular imprinting; polymerised catalytic complexes in asymmetric catalysis

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Selective synthesis of monoglycerides from glycerol and oleic acid in the presence of solid catalysts

Zeolite-catalysed hydrolysis of aromatic amides

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