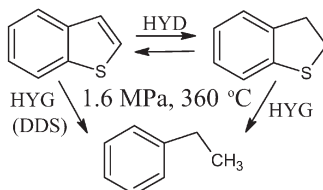


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2008, 73, 945–955

**The Effect of  $\gamma$ -Al<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub> and ZrO<sub>2</sub> Supports on Hydrodesulfurization Activity of Transition-Metal Sulfides**

Luděk Kaluža and Miroslav Zdražil

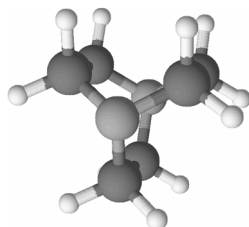


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2008, 73, 956–966

**Effect of Zeolite ZSM-5 Particle Size in the Synthesis of 1,4-Diazabicyclo[2.2.2]octane**

Jiří Trejbal, Josef Pašek and Miroslav Petrisko



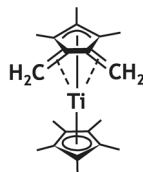
1,4-diazabicyclo[2.2.2]octane

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2008, 73, 967–982

**Reactions of Doubly Tucked-In Permethyltitanocene with *tert*-Butanol and Propargyl Alcohol. The Crystal Structures of Unusual Hydrolytic Byproducts**

Jiří Pinkas, Róbert Gyepes, Ivana Císařová, Petr Štěpnička, Michal Horáček, Jiří Kubišta, Vojtech Varga and Karel Mach

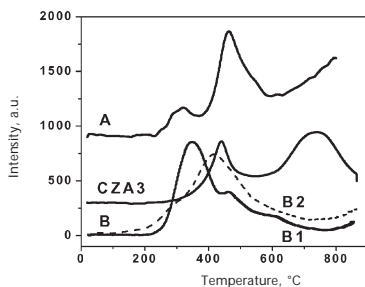


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2008, 73, 983–999

**Hydrodesulfurization of Different Feeds on CoMo/Al<sub>2</sub>O<sub>3</sub> Catalyst Prepared Using Cobalt Heteropolyoxomolybdate**

Alla Spojakina, Květuše Jiráťová, Václav Novák, Radostina Palcheva and Luděk Kaluža

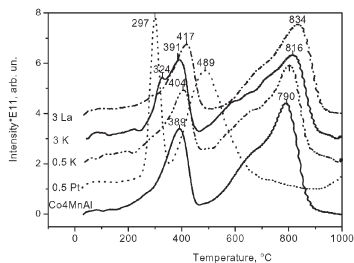


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2008, 73, 1000–1014

### Modification of Co-Mn-Al Mixed Oxide with Promoters and Their Effect on Properties and Activity in VOC Total Oxidation

Zuzana Mikulová, Květuše Jirátová,  
Jan Klempa and František Kovanda

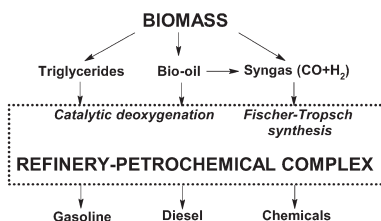


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2008, 73, 1015–1044

### Future Refining Catalysis – Introduction of Biomass Feedstocks

David Kubička

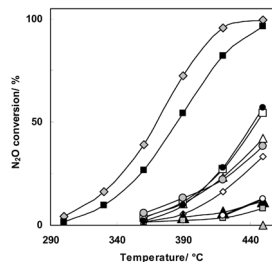


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2008, 73, 1045–1060

### Application of Calcined Layered Double Hydroxides as Catalysts for Abatement of N<sub>2</sub>O Emissions

Lucie Obalová, František Kovanda, Květuše Jirátová,  
Kateřina Pacultová and Zdenek Lacný

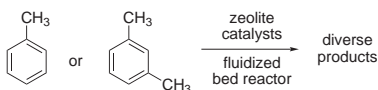


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2008, 73, 1061–1088

### Aromatic Transformation in Fluidized Bed Reactors

Sule Rabiou and Sulaiman Al-Khattaf

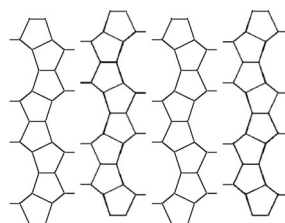


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2008, 73, 1089–1104

### Synthesis and Catalytic Evaluation of Ferrierite-Related Materials Synthesized in the Presence of co-Structure Directing Agents

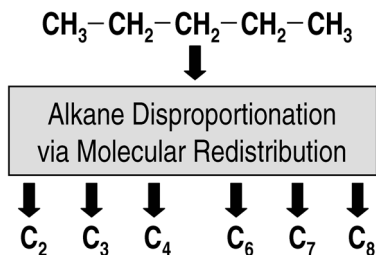
Raquel García, Ana Belén Pinar, Carlos Márquez-Alvarez, Enrique Sastre and Joaquín Pérez-Pariente

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2008, 73, 1105–1111

### Disproportionation of Alkanes via Molecular Redistribution and Molecular Averaging

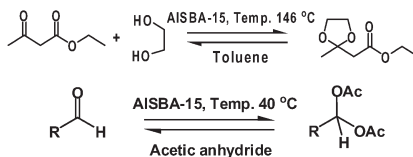
Cong-Yan Chen and Dennis J. O'Rear

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2008, 73, 1112–1124

### Synthesis of Fructone and Acylal Using Hexagonally Ordered Mesoporous Aluminosilicate Catalyst

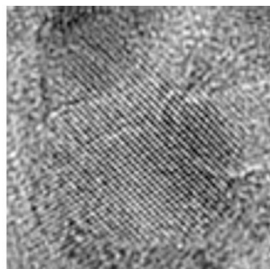
Ajayan Vinu, Josena Justus, Veerappan Vaithilingam Balasubramanian, Shivappa Basappa Halligudi, Katsuhiko Ariga and Toshiyuki Mori

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2008, 73, 1125–1131

### New Templating Route for Synthesis of Mesoporous Alumina

Naděžda Žilková, Jiří Čejka, Nataliya Murafa and Arnošt Zukal

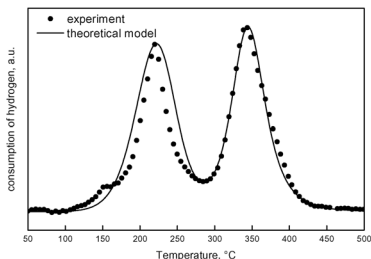


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**2008, 73, 1132–1148**

### Kinetics of Reduction of Cu Ions in MFI Zeolite Investigated by H<sub>2</sub>-TPR Method

Roman Bulánek and Pavel Čičmanec

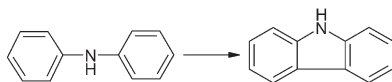


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**2008, 73, 1149–1160**

### Dehydrocyclization of Diphenylamine to Carbazole Over Platinum Catalysts

Miroslav Vlčko, Zuzana Cvenegrošová and Milan Hronec

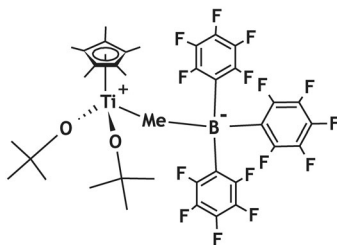


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**2008, 73, 1161–1176**

### Synthesis and Structure of Permethylocyclopentadienyltitanium Diisopropoxide Zwitterionic Complex

Vojtech Varga, Jiří Pinkas, Ivana Císařová, Róbert Gyepes, Karel Mach, Jiří Kubišta and Michal Horáček

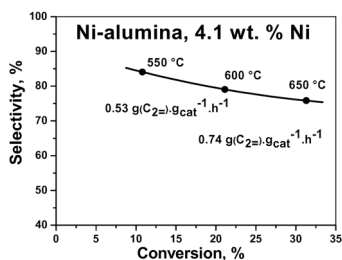


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**2008, 73, 1177–1191**

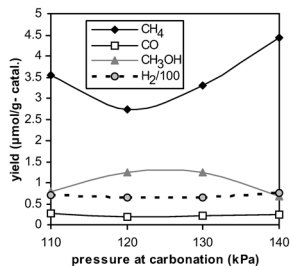
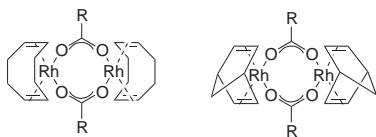
### The Feasibility of Ni-Alumina Catalysts in Oxidative Dehydrogenation of Ethane

Libor Čapek, Lukáš Vaněk, Lucie Smoláková, Roman Bulánek and Jiří Adam



*Collect. Czech. Chem. Commun.***2008, 73, 1192–1204****Effect of Temperature, Pressure and Volume of Reacting Phase on Photocatalytic CO<sub>2</sub> Reduction on Suspended Nanocrystalline TiO<sub>2</sub>**

Kamila Kočí, Lucie Obalová, Daniela Plachá and Zdenek Lacný

*Collect. Czech. Chem. Commun.***2008, 73, 1205–1221****Bis(μ-carboxylato)dienerhodium(I) Complexes – Synthesis, Characterization and Catalytic Activity**Jiří Zedník, Jan Sedláček, Jan Svoboda,  
Jiří Vohlídal, Dmitrij Bondarev and  
Ivana CísařováR = icosanyl  
1-adamantyl  
2,2-dimethylpropyl  
benzyl*Collect. Czech. Chem. Commun.***2008, 73, 1222–1230****Structural Study of Tailored Titania Thin Layers**Olga Šolcová, Lenka Matějová,  
Simona Krejčíková, Zdeněk Matěj,  
Radomír Kužel, Zdeněk Strýhal and  
Oldřich Benada