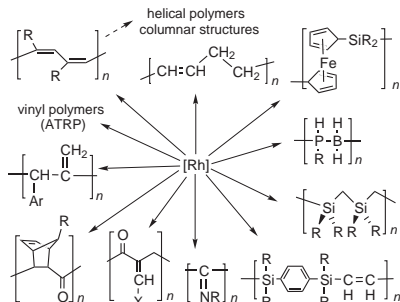


*Collect. Czech. Chem. Commun.*

**2003, 68, 1745–1790**

**Controlled and Living Polymerizations Induced with Rhodium Catalysts. A Review**

Jan Sedláček and Jiří Vohlídal

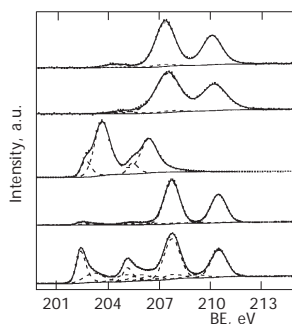


*Collect. Czech. Chem. Commun.*

**2003, 68, 1791–1804**

**Thermal Stability of Au/NbO<sub>x</sub>/Nb and Au/Nb<sub>2</sub>O<sub>5</sub>/W Model Catalysts Studied by Angle-Resolved X-Ray Photoelectron Spectroscopy**

Yaroslava Lykhach, Jan Plšek,  
Ilona Spirovová and Zdeněk Bastl

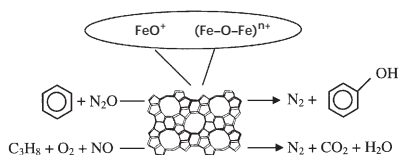


*Collect. Czech. Chem. Commun.*

**2003, 68, 1805–1818**

**Contribution of Fe and Protonic Sites in Calcined and Steamed ZSM-5 Zeolites to Oxidation of Benzene with N<sub>2</sub>O to Phenol and Selective Catalytic Reduction of NO with Propane to Nitrogen**

Libor Čapek, Petr Kubánek,  
Blanka Wichterlová and Zdeněk Sobalík

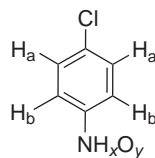


*Collect. Czech. Chem. Commun.*

**2003, 68, 1819–1832**

**Reaction Pathways and the Role of Solvent in the Hydrogenation of Chloronitrobenzenes**

Vieroslav Krátky, Milan Králík, Alexander Kaszonyi,  
Magdaléna Stolcová, Lubomír Zalibera,  
Miroslava Mecárová and Milan Hronec

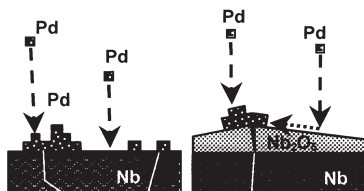


*Collect. Czech. Chem. Commun.*

2003, 68, 1833–1847

**Carbon Monoxide Chemisorption and Disproportionation on Thin Palladium Layers, Supported by Niobium and Niobium Pentoxide**

Jan Plšek, Vladimír Nikolajenko,  
Michel Malick Thiam and Zlatko Knor

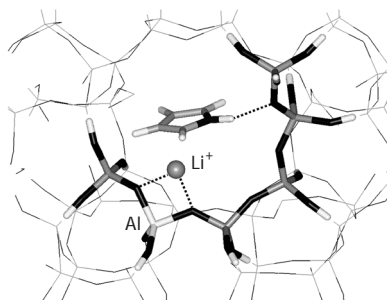


*Collect. Czech. Chem. Commun.*

2003, 68, 1848–1860

**Theoretical Study of Pyrrole Interaction with Alkali Metal Exchanged Zeolites: Investigation of the Reliability of Cluster and Periodic Models**

Jan Kučera and Petr Nachtigall

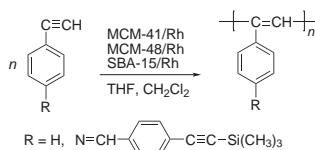


*Collect. Czech. Chem. Commun.*

2003, 68, 1861–1876

**Hybrid Catalysts for Acetylenes Polymerization Prepared by Anchoring [Rh(cod)Cl]<sub>2</sub> on MCM-41, MCM-48 and SBA-15 Mesoporous Molecular Sieves – The Effect of Support Structure on Catalytic Activity in Polymerization of Phenylacetylene and 4-Ethynyl-N-{4-[(trimethylsilyl)ethynyl]benzylidene}aniline**

Hynek Balcar, Jan Sedláček, Jan Svoboda,  
Naděžda Žilková, Jiří Rathouský and Jiří Vohlídal

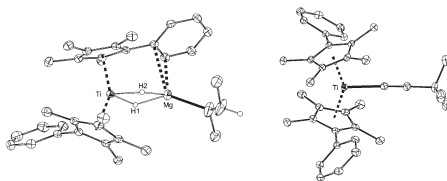


*Collect. Czech. Chem. Commun.*

2003, 68, 1877–1896

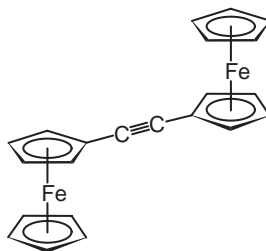
**Linear Dimerization of Terminal Alkynes by Bis(tetramethylphenyl-cyclopentadienyl)titanium–Magnesium Hydride and Acetylide Complexes**

Karel Mach, Róbert Gyepes,  
Michal Horáček, Lidmila Petrusová  
and Jiří Kubišta

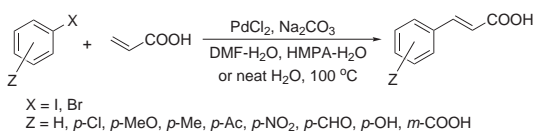


*Collect. Czech. Chem. Commun.***2003, 68, 1897–1903****Synthesis of Diferrocenylethyne by Molybdenum-Catalyzed Metathesis of 1-Ferrocenylprop-1-yne**

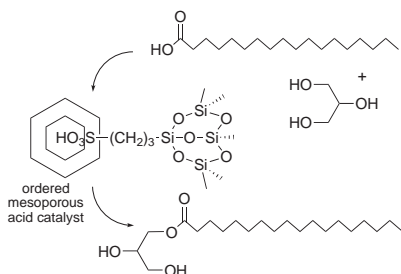
Martin Kotora, David Nečas and Petr Štěpnička

*Collect. Czech. Chem. Commun.***2003, 68, 1904–1913****Transition Metal Complex Catalysis in Fine Organic Synthesis. A Personal Account**

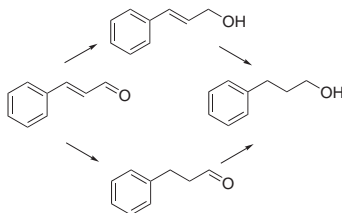
Irina P. Beletskaya and Andrei V. Cheprakov

*Collect. Czech. Chem. Commun.***2003, 68, 1914–1926****Synthesis and Characterisation of Ordered Mesoporous Acid Catalysts for Synthesis of Biodegradable Surfactants**

Marcelo Boveri, Javier Agúndez, Isabel Díaz, Joaquín Pérez-Pariente and Enrique Sastre

*Collect. Czech. Chem. Commun.***2003, 68, 1927–1936****Selective Hydrogenation of  $\alpha,\beta$ -Unsaturated Aldehydes on Ru-Sn/TiO<sub>2</sub> Catalysts**

Jana Špringerová, Petr Kačer, Jan Hájek and Libor Červený

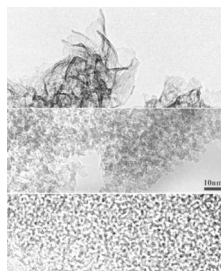


*Collect. Czech. Chem. Commun.*

**2003, 68, 1937–1948**

**Transmission Electron Microscopy Study of the Porous Structure of Aluminas Synthesized by Non-Ionic Surfactant Templating Route**

Isabel Díaz, Verónica González-Peña,  
Carlos Márquez-Alvarez and  
Joaquín Pérez-Pariente

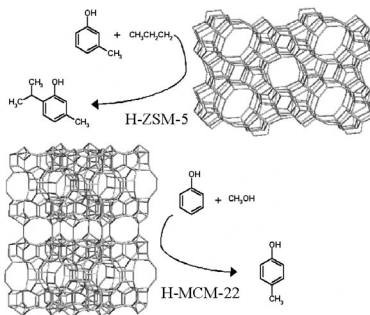


*Collect. Czech. Chem. Commun.*

**2003, 68, 1949–1968**

**Alkylation of Phenol and *m*-Cresol Over Zeolites**

Cyril T. O'Connor, Gillian Moon,  
Walter Böhringer and Jack C. Q. Fletcher

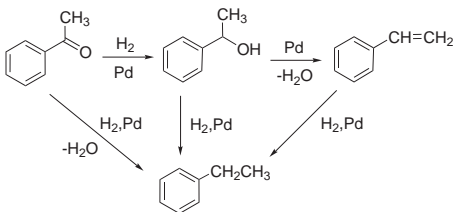


*Collect. Czech. Chem. Commun.*

**2003, 68, 1969–1984**

**Hydrogenation and Hydrogenolysis of Acetophenone**

Martina Bejblová, Petr Zámstný,  
Libor Červený and Jiří Čejka

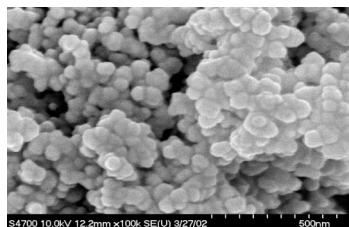


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**2003, 68, 1985–1997**

**Photocatalytic Oxidation of Cyclohexene on Titanium(IV) Oxide**

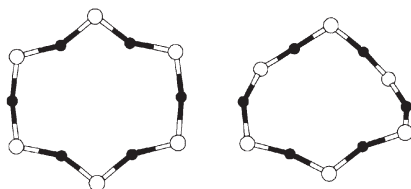
Jana Klisáková, Petr Klusoň and  
Libor Červený



*Collect. Czech. Chem. Commun.*  
**2003, 68, 1998–2018**

**(Al)MCM-41 Molecular Sieves.  
Aluminium Distribution,  
Uniformity and Structure  
of Inner Surface**

Jiří Dědeček, Naděžda Žilková,  
Josef Kotrla and Jiří Čejka

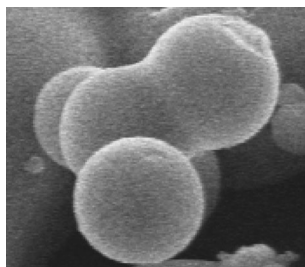


Al and Si atoms (○), oxygen atoms (●)

*Collect. Czech. Chem. Commun.*  
**2003, 68, 2019–2031**

**Preparation of Organized Mesoporous Silica  
from Sodium Metasilicate Solutions in Alkaline  
Medium Using Nonionic Surfactants**

Markéta Zukalová, Jiří Rathouský and  
Arnošt Zukal



*Collect. Czech. Chem. Commun.*  
**2003, 68, 2032–2054**

**Nanosized Molecular Sieves**

Svetlana Mintova

