



ELSEVIER

Journal of Molecular Catalysis A: Chemical 240 (2005) 250–251

JOURNAL OF  
MOLECULAR  
CATALYSIS  
A: CHEMICAL

www.elsevier.com/locate/molcata

## Contents

**Vol. 240, Nos. 1–2**

Photo-oxidation of phenol over titania pillared zirconium phosphate and titanium phosphate	1
D.P. Das, K. Parida (Orissa, India) and B.R. De (West Bengal, India)	
Monomeric ruthenium carbonyls containing 2-substituted pyrazines. From synthesis to catalytic activity in 1-hexene hydroformylation	7
M.A. Moreno, M. Haukka, A. Turunen and T.A. Pakkanen (Joensuu, Finland)	
Use of different microporous and mesoporous materials as catalyst in the Diels–Alder and retro-Diels–Alder reaction between cyclopentadiene and <i>p</i> -benzoquinone. Activity of Al-, Ti- and Sn-doped silica	16
M. Victoria Gómez (Ciudad Real, Spain), Á. Cantín, A. Corma (Valencia, Spain) and A. de la Hoz (Ciudad Real, Spain)	
Catalytic activity and stability of anionic and cationic water soluble cobalt(II) tetraarylporphyrin complexes in the oxidation of 2-mercaptopethanol by molecular oxygen	22
M. Hassanein, S. Gerges, M. Abdo and S. El-Khalafy (Tanta, Egypt)	
Catalytic selective oxidation of benzyl alcohols to aldehydes with rhenium complexes	27
P. Paraskevopoulou, N. Psaroudakis, S. Koinis (Athens, Greece), P. Stavropoulos (Rolla, MO, USA) and K. Mertis (Athens, Greece)	
Study of the supported zirconocene catalysts by means of UV/vis and DRIFT spectroscopy	33
V.N. Panchenko, V.A. Zakharov and E.A. Paukshtis (Novosibirsk, Russia)	
Gold nanoparticles deposited on mesoporous alumina for epoxidation of styrene: Effects of the surface basicity of the supports	40
D. Yin, L. Qin, J. Liu, C. Li and Y. Jin (Changsha, China)	
Reactivity of Ru=O species in RuO <sub>2</sub> /CeO <sub>2</sub> catalysts prepared by a wet reduction method	49
S. Hosokawa, Y. Fujinami and H. Kanai (Kyoto, Japan)	
A palladium-catalyzed route for $\alpha$ -alkylation of ketones by primary alcohols	55
C.S. Cho (Daegu, South Korea)	
Supported dichlorobis(3-hydroxi-2-methyl-4-pyrone)Ti(IV) catalysts: Evaluation on ethylene polymerization	61
P.P. Greco, R. Brambilla, S. Einloft, F.C. Stedile, G.B. Galland, J.H.Z. dos Santos and N.R. de S. Basso (Porto Alegre, Brazil)	
Homo-metathesis of vinylsilanes catalysed by ruthenium carbene complexes	67
C. Pietraszuk (Poznań, Poland and Konstanz, Germany), B. Marciniec, S. Rogalski (Poznań, Poland) and H. Fischer (Konstanz, Germany)	
One-pot citral transformation to menthol over bifunctional micro- and mesoporous metal modified catalysts: Effect of catalyst support and metal	72
P. Mäki-Arvela, N. Kumar, D. Kubička, A. Nasir, T. Heikkilä, V.-P. Lehto, R. Sjöholm, T. Salmi and D.Yu. Murzin (Turku, Finland)	
The kinetics of the aluminium bromide catalyzed isomerization of 1-propyl bromide	82
H.S.A. Douwes (Amsterdam, The Netherlands)	
Polymerisations of $\epsilon$ -caprolactone and $\beta$ -butyrolactone with Zn-, Al- and Mg-based organometallic complexes	91
F. Majoumo-Mbe (Leipzig, Germany), E. Smolensky (Haifa, Israel), P. Lönncke (Leipzig, Germany), D. Shpasser, M.S. Eisen (Haifa, Israel) and E. Hey-Hawkins (Leipzig, Germany)	
Niobium (V) chloride catalyzed Knoevenagel condensation: An efficient protocol for the preparation of electrophilic alkenes	99
P. Leelavathi and S.R. Kumar (Hyderabad, India)	
Nanoparticle supported bis(cyclopentadienyl) zirconium dichloride catalysts for styrene polymerization	103
M.L. Kantam, S. Ghosh, K. Aziz, B. Sreedhar and B.M. Choudary (Hyderabad, India)	
Phosphomolybdic acid supported on silica gel and promoted with alkali metal ions as catalysts for the esterification of acetic acid by ethanol	109
M.M.M. Abd El-Wahab and A.A. Said (Assiut, Egypt)	
Aerobic oxidation of phenol to quinone with copper chloride as catalyst in ionic liquid	119
H. Sun, X. Li (Jinan, PR China) and J. Sundermeyer (Marburg, Germany)	
Liquid-phase alkylation of phenol with long-chain olefins over WO <sub>3</sub> /ZrO <sub>2</sub> solid acid catalysts	123
S. Sarish (Kochi, India), B.M. Devassy (Pune, India), W. Böhringer, J. Fletcher (Rondebosch, South Africa) and S.B. Halligudi (Pune, India)	
Asymmetric hydrogenations of ketones catalyzed by Ru-achiral phosphine-enantiopure diamine complexes	132
Y.-Q. Xia, Y.-Y. Tang, Z.-M. Liang, C.-B. Yu, X.-G. Zhou, R.-X. Li and X.-J. Li (Sichuan, PR China)	
Mesoporous material as catalyst for the production of fine chemical: Synthesis of dimethyl phthalate assisted by hydrophobic nature MCM-41	139
S. Udayakumar, A. Pandurangan (Chennai, India) and P.K. Sinha (Kalpakkam, India)	
Interaction between Pd and Ag on the surface of silica	155
S. Karski, I. Witońska, J. Rogowski and J. Gołuchowska (Łódź, Poland)	

Deactivation and regeneration of the $B_2O_3/TiO_2-ZrO_2$ catalyst in the vapor phase Beckmann rearrangement of cyclohexanone oxime D. Mao, G. Lu and Q. Chen (Shanghai, PR China) . . . . .	164
Regioselective <i>ortho</i> -C-cyclohexylation of phenols with cyclohexanol in the presence of transition metal modified zeolite-H $\beta$ V.P. Raje, R.P. Bhat and S.D. Samant (Mumbai, India) . . . . .	172
Vinyl-polymerization of norbornene with novel anilido-imino nickel complexes/methylaluminoxane: Abnormal influence of polymerization temperature on molecular weight of polynorbornenes H. Gao, J. Zhang, Y. Chen, F. Zhu and Q. Wu (Guangzhou, China) . . . . .	178
Esterification reaction using solid heterogeneous acid catalysts under solvent-less condition F.T. Sejidov (Tabriz, Iran), Y. Mansoori (Tehran, Iran) and N. Goodarzi (Tabriz, Iran) . . . . .	186
Preparation of MoVTe(Sb)Nb mixed oxide catalysts using a slurry method for selective oxidative dehydrogenation of ethane Q. Xie, L. Chen, W. Weng and H. Wan (Xiamen, PR China) . . . . .	191
Characterization of Pt-Ru/C catalysts by X-ray absorption spectroscopy and temperature-programmed surface reaction D.-G. Liu, J.-F. Lee and M.-T. Tang (Hsinchu, Taiwan) . . . . .	197
Catalytic oxygenative degradation of 4-chlorocatechol by a nonheme iron(III) complex—Mechanism and prevention of catechol ester formation Y. Hitomi, M. Higuchi, T. Tanaka and T. Funabiki (Kyoto, Japan) . . . . .	207
Impact of the urea–matrix combustion method on the HDS performance of Ni-MoS <sub>2</sub> /γ-Al <sub>2</sub> O <sub>3</sub> catalysts S.L. González-Cortés, T.-C. Xiao, S.M.A. Rodulfo-Baechler and M.L.H. Green (Oxford, UK) . . . . .	214
Metathesis polymerization of norbornene and terminal acetylenes catalyzed by bis(acetonitrile) complexes of molybdenum and tungsten Y. Yamaguchi, A. Fujita (Yokohama, Japan), N. Suzuki (Wako, Japan) and T. Ito (Yokohama, Japan) . . . . .	226
Benefits of donor solvents as additive on ROMP of norbornene catalyzed by amine Ru complexes J.M.E. Matos and B.S. Lima-Neto (São Carlos, Brazil) . . . . .	233
MCM-41 and SBA-15 supported Cp <sub>2</sub> ZrCl <sub>2</sub> catalysts for the preparation of nano-polyethylene fibres via in situ ethylene extrusion polymerization X. Dong, L. Wang, G. Jiang, Z. Zhao, T. Sun, H. Yu and W. Wang (Hangzhou, China) . . . . .	239
Platinum-catalyzed intermolecular hydroamination of terminal alkynes J.-J. Brunet, N.C. Chu, O. Diallo and S. Vincendeau (Toulouse, France) . . . . .	245
<b>Corrigendum</b>	
Corrigendum to “Kinetics and mechanism of NO decomposition over La <sub>0.4</sub> Sr <sub>0.6</sub> Mn <sub>0.8</sub> Ni <sub>0.2</sub> O <sub>3</sub> perovskite-type oxides” [J. Mol. Catal. A: Chem. 236 (2005) 182–186] J. Zhu (Changchun, Beijing, PR China), D. Xiao, J. Li, X. Yang and Y. Wu (Changchun, PR China) . . . . .	249
Volume contents . . . . .	250