



ELSEVIER

Journal of Molecular Catalysis A: Chemical 209 (2004) 241–242



www.elsevier.com/locate/molcata

Contents

Vol. 209, Nos. 1–2**Articles****Organometallic and biomimetic catalysis**

Efficient living polymerization of 1-hexene by $\text{Cp}^*\text{TiMe}_2(O-2,6-i\text{Pr}_2\text{C}_6\text{H}_3)$ -borate catalyst systems at low temperature K. Nomura and A. Fudo (Nara, Japan)	9
New chiral ferrocenyldiphosphine ligand for catalytic asymmetric transfer hydrogenation H. Dai, X. Hu, H. Chen, C. Bai and Z. Zheng (Dalian, PR China)	19
Improved palladium-catalyzed coupling reactions of aryl halides using saturated <i>N</i> -heterocarbene ligands N. Gürbüz, I. Özdemir, S. Demir (Malatya, Turkey) and B. Çetinkaya (Bornova-İzmir, Turkey)	23
Utilization of metal complexes as catalysts in the transesterification of Brazilian vegetable oils with different alcohols F.R. Abreu, D.G. Lima, E.H. Hamú (Brasília-DF, Brazil), C. Wolf (Canoas-RS, Brazil) and P.A.Z. Suarez (Brasília-DF, Brazil)	29
Ruthenium-catalysed synthesis of <i>o</i> -phthalates by highly chemoselective intermolecular [2 + 2 + 2] cycloaddition of terminal alkynes and dimethyl acetylenedicarboxylate Y. Ura, Y. Sato, M. Shiotsuki, T. Kondo and T.-a. Mitsudo (Kyoto, Japan)	35
Regioselective alkylation of aromatic aldimines and ketimines via C–H bond activation by a rhodium catalyst Y.-G. Lim, J.-S. Han, B.T. Koo and J.-B. Kang (Daejeon, South Korea)	41
Catalytic activity of iron and cobalt phthalocyanine complexes towards the oxidation of cyclohexene using <i>tert</i> -butylhydroperoxide and chloroperoxybenzoic acid N. Sehloho and T. Nyokong (Grahamstown, South Africa)	51

Ionic catalysis by acids, metals and bases

Oxidation of hydrocarbons by O_2 in the presence of onium salts and onium ion-pair complexes as catalysts L.J. Csányi, K. Jáky, Z. Kóta and T. Páli (Szeged, Hungary)	59
One stage preparation of Schiff's bases from nitroarenes, aldehydes and carbon monoxide at presence of water V. Macho (Puchov, Slovak Republic), M. Králík (Bratislava, Slovak Republic), J. Hudec (Nitra, Slovak Republic) and J. Cingelova (Puchov, Slovak Republic)	69
Novelties of solid–liquid phase transfer catalyzed synthesis of <i>o</i> -nitrodiphenyl ether G.D. Yadav and S. Subramanian (Mumbai, India)	75

Molecular aspects of heterogeneous catalysis

Effect of transition metal (Cr, Mn, Fe, Co, Ni and Cu) on the hydrogenation properties of chloronitrobenzene over Pt/TiO ₂ catalysts X. Han, R. Zhou, G. Lai, B. Yue and X. Zheng (Hangzhou, PR China)	83
Selective alkylation of aniline to <i>N</i> -methyl aniline using chromium manganese ferrospinels K. Nishamol, K.S. Rahna and S. Sugunan (Kochi, India)	89
Heterogenized palladium chitosan complexes as potential catalysts in oxidation reactions: study of the structure N.V. Kramareva, A.Yu. Stakheev, O.P. Tkachenko (Moscow, Russia), K.V. Klementiev (Bochum, Germany and Hamburg, Germany), W. Grünert (Bochum, Germany), E.D. Finashina and L.M. Kustov (Moscow, Russia)	97
Pd/NaY-zeolite and Pd-W/NaY-zeolite catalysts: preparation, characterization and NO decomposition activity S.B.C. Pergher (Erechim, Brazil), R.M. Dallago (Erechim, Brazil and CEP, Brazil), R.C. Veses (Porto Alegre, Brazil), C.E. Gigola (Bahia Blanca, Argentina) and I.M. Baibich (Porto Alegre, Brazil)	107
Synthesis of 7-hydroxy-4-methyl coumarin using polyaniline supported acid catalyst S. Palaniappan and R. Chandra Shekhar (Hyderabad, India)	117
Copper-modified mesoporous MCM-41 silica: FTIR and catalytic study T. Tsonecheva, Tz. Venkov, M. Dimitrov, C. Minchev and K. Hadjiivanov (Sofia, Bulgaria)	125
The effect of electron beam irradiation on the chemistry of molybdenum hexacarbonyl on thin alumina films in ultrahigh vacuum Y. Wang, F. Gao, M. Kaltchev and W.T. Tysoe (Milwaukee, WI, USA)	135
Mechanistic study on skeletal isomerization of <i>n</i> -butane using 1,4- ¹³ C ₂ - <i>n</i> -butane on typical solid acids and their Pt-promoted bifunctional catalysts T. Echizen, T. Suzuki (Sapporo, Japan), Y. Kamiya (Kawaguchi, Japan) and T. Okuhara (Sapporo, Japan)	145

Novel hydrodesulfurization catalysts derived from a rhodium carbonyl complex J. Lee, A. Ishihara, F. Dumeignil, K. Miyazaki, Y. Oomori, E.W. Qian and T. Kabe (Tokyo, Japan)	155
Polymerization of ethylene by the tris(pyrazolyl)borate titanium(IV) compound immobilized on MAO-modified silicas M.P. Gil (Araraquara, Brazil), J.H.Z. dos Santos and O.L. Casagrande Jr. (Porto Alegre, Brazil)	163
ZnCl ₂ supported on NaY zeolite by solid-state interaction under microwave irradiation and used as heterogeneous catalysts for high regioselective Diels–Alder reaction of myrcene and acrolein J. Liu (Lanzhou, China and Changsha, China), D. Yin, D. Yin, Z. Fu, Q. Li (Changsha, China) and G. Lu (Lanzhou, China)	171
Propane as alkylating agent for alkylation of benzene on HZSM-5 and Ga-modified HZSM-5 zeolites C. Bigey and B.-L. Su (Namur, Belgium)	179
Friedel–Crafts acylation of anisole with acetic anhydride over silica-supported heteropolyphosphotungstic acid (HPW/SiO ₂) L.A.M. Cardoso, Alves Jr., W., A.R.E. Gonzaga, L.M.G. Aguiar and H.M.C. Andrade (Bahia, Brazil)	189
The influence of surface acidity on NO ₂ reduction by propane under lean conditions H.H. Ingelsten, Å. Hildesson, E. Fridell and M. Skoglundh (Göteborg, Sweden)	199
Alumina-supported FeCl ₃ , MnCl ₂ , CoCl ₂ , NiCl ₂ , CuCl ₂ , and ZnCl ₂ as catalysts for the benzylation of benzene by benzyl chloride M. Salavati-Niasari, J. Hasanian and H. Najafian (Kashan, Iran)	209
The effect of metal oxide additives (WO ₃ , MoO ₃ , V ₂ O ₅ , Ga ₂ O ₃) on the oxidation of NO and SO ₂ over Pt/Al ₂ O ₃ and Pt/BaO/Al ₂ O ₃ catalysts J. Dawody, M. Skoglundh and E. Fridell (Göteborg, Sweden)	215
SBA-15 supported quaternary ammonium salt: an efficient, heterogeneous phase-transfer catalyst L. Li, J. Shi, J. Yan, H. Chen and X. Zhao (Shanghai, PR China)	227
Corrigendum to “Novel palladium imidazole catalysts for Suzuki cross-coupling reactions” [J. Mol. Catal. A: Chemical 206 (2003) 77–82] C.J. Mathews (Bracknell, UK), P.J. Smith and T. Welton (London, UK)	231
Erratum to “The role of copper chloride hydroxides in the oxidative carbonylation of methanol for dimethyl carbonate synthesis” [J. Mol. Catal. A 203 (2003) 137–143] M.S. Han, B.G. Lee, B.S. Ahn, H.S. Kim, D.J. Moon and S.I. Hong (Seoul, South Korea)	233
Author Index	235
Subject Index	237
Volume contents	241