



ELSEVIER

Journal of Molecular Catalysis A: Chemical 122 (1997) 193–194



Contents Volume 122

Vol. 122, No. 1

Articles

Molecular aspects of heterogeneous catalysis

- Model of activation of the cobalt foil as a catalyst for CO₂ methanation [M1421]
J. Łojewska and R. Dziembaj (Kraków, Poland) 1
- Metal cluster hydrodesulfurization catalysts based on ternary lanthanum molybdenum sulfides [M1416]
S.J. Hilsenbeck, R.E. McCarley (Ames, IA, USA), R.K. Thompson, L.C. Flanagan and G.L. Schrader (Ames, IA, USA) 13
- The Co-adsorption of tetramethylpiperidine and TiCl₄ on β-MgCl₂. A theoretical study of a Ziegler–Natta pre-catalyst [M1472]
M.L. Ferreira, N.J. Castellani, D.E. Damiani and A. Juan (Bahía Blanca, Argentina) 25
- Hydroformylation of 1-hexene on Rh/C and Co/SiO₂ catalysts [M1420]
T.A. Kainulainen, M.K. Niemelä and A.O.I. Krause (Espoo, Finland) 39
- A semi-empirical study on Ziegler Natta catalyst: Concerning the interaction EtInd₂ZrCl₂/MAO/SiO₂ [M1483]
M.L. Ferreira, M.M. Branda, A. Juan and D.E. Damiani (Bahía Blanca, Argentina) 51
- ²⁷Al NMR MAS study of AlEt_{3-n}Cl_n/MgCl₂ systems [M1484]
A.G. Potapov, V.V. Terskikh, G.D. Bukatov and V.A. Zakharov (Novosibirsk, Russia) 61
- Photocatalytic degradation of mono-, di- and trinitrophenol in aqueous TiO₂ suspension [M1468]
K. Tanaka (Tsukuba, Japan), W. Luesaiwong (Bangkok, Thailand) and T. Hisanaga (Tsukuba, Japan) 67
- Selective catalytic oxidation of thioethers to sulfoxides over Mo-silicalite-1 (MoS-1) molecular sieves [M1486]
P.S. Raghavan, V. Ramaswamy, T.T. Upadhyaya, A. Sudalai, A.V. Ramaswamy and S. Sivasanker (Pune, India) 75
- Investigations on the aqueous solution and solid-state cation exchanged MAPO-ATS type molecular sieve [M1482]
D.B. Akolekar and S. Bhargava (Melbourne, Vic., Australia) 81

Vol. 122, No. 2–3

Articles

Chemical and metal complex catalysis

- Asymmetric palladium(0)-catalyzed synthesis of allylic ethers [M1475]
A. Iourtchenko and D. Sinou (Villeurbanne, France) 91
- The effect of triflate additives in platinum-catalyzed enantioselective hydroformylation [M1488]
T. Kégl and L. Kollár (Veszprem, Hungary) 95
- Activity of homogeneous transition metal catalysts for oxidative carbonylation of aniline to *N,N'*diphenyl urea [M1490]
S.A.R. Mulla, C.V. Rode, A.A. Kelkar and S.P. Gupte (Pune, India) 103
- Enantioselective hydroformylation of vinyl-aromatics using a rhodium complex with the (1*R*,2*R*,4*R*)-2-(2-diphenylphosphinyl-1,1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)pyridine [M1491]
G. Chelucci, M. Marchetti and B. Sechi (Sassari, Italy) 111

Molecular aspects of heterogeneous catalysis

- The role of Mn and Li promoters in supported rhodium catalysts in the formation of acetic acid and acetaldehyde [M1479]
H.-Y. Luo, P.-Z. Lin, S.-B. Xie, H.-W. Zhou, C.-H. Xu, S.-Y. Huang, L.-W. Lin, D.-B. Liang, P.-L. Yin and Q. Xin (Dalian, China) 115

The chemical status of indium in indium impregnated HZSM-5 catalysts for the SCR of NO with CH ₄ [M1476] X. Zhou, Z. Xu, T. Zhang and L. Lin (Dalian, PR China)	125
In-situ FT-IR spectroscopy and kinetic study of methanol synthesis from CO/H ₂ over ZnAl ₂ O ₄ and Cu-ZnAl ₂ O ₄ catalysts [M1501] F. Le Peltier, P. Chaumette (Rueil-Malmaison, France), J. Saussey, M.M. Bettahar and J.C. Lavalley (Caen, France)	131
Deactivation and regeneration of sulfur-poisoned supported palladium complexes [M1494] N.S. Figoli and P.C. L'Argentiere (Santiago del Estero, Argentina)	141
Characterization and catalysis of a SiO ₂ -supported [Au ₆ Pt] cluster [(AuPPh ₃) ₆ Pt(PPh ₃) ₂] ²⁺ /SiO ₂ [M1471] Y. Yuan (Tokyo, Japan; Xiamen, China), K. Asakura (Tokyo, Japan), H. Wan, K. Tsai (Xiamen, China) and Yasuhiro Iwasawa (Tokyo, Japan)	147
Shape selectivity of ZSM-5 zeolite modified with chemical vapor deposition of silicon and germanium alkoxides [M1487] P. Tynjälä and T.T. Pakkanen (Joensuu, Finland)	159
Catalytic conversion of propylene oxide on a super acid sulfonic clay (SASC) system [M1493] M. Salmón, M. Pérez-Luna, C. López-Franco, E. Hernández, R.A. Alvarez-Ramírez, A. López-Ortega and J.M. Domínguez (México, Mexico)	169
On the nature of acid sites in substituted aluminophosphate molecular sieves with the AEL topology [M1495] D. Arias, L. Campos, D. Escalante, J. Goldwasser, C.M. López, F.J. Machado, B. Méndez, D. Moronta, M. Pinto, V. Sazo and M.M.R. De Agudelo (Caracas, Venezuela)	175
Author Index	187
Subject Index	189
Contents Volume 122	193