

Contents

Vol. 233, Nos. 1–2

Photocatalysis with ZrO_2 : oxidation of aniline C. Karunakaran and S. Senthilvelan (Annamalainagar, India).....	1
A novel polyaniline–fluoroboric acid–dodecylhydrogensulfate salt: versatile reusable polymer based solid acid catalyst for organic transformations S. Palaniappan and A. John (Hyderabad, India).....	9
Pd catalyzed Heck reaction with the catalytic system $[Pd(Ph_2PC_6H_4-2-(CH_2NMe_2))(SR_F)_2]$. Examination of the electronic effects of fluorinated thiolates J.G. Fierro-Arias, R. Redón, J.J. García, S. Hernández-Ortega, R.A. Toscano and D. Morales-Morales (México, Mexico).....	17
Recycle—new possible mechanism of NO decomposition over perovskite(-like) oxides J. Zhu, D. Xiao, J. Li, X. Xie, X. Yang and Y. Wu (Changchun, PR China).....	29
Production of hydrogen-rich syngas using p-type NiO catalyst: a laser-based photocatalytic approach A. Hameed and M.A. Gondal (Dhahran, Saudi Arabia)	35
A mild and efficient method for the protection of carbonyl compounds as dithioacetals, dithiolanes and dithianes catalysed by iodine supported on natural phosphate M. Zahouily, A. Mezdar, J. Rakik, A. Elmakssoudi, A. Rayadh (Mohammedia, Morocco) and S. Sebti (Casablanca, Morocco)	43
Pyridine-derived ruthenium and platinum complexes immobilized on ordered mesoporous silica as catalysts for Heck vinylation J. Horniakova, H. Nakamura, R. Kawase, K. Komura, Y. Kubota and Y. Sugi (Gifu, Japan)	49
Phase selectively soluble dendritic derivative of 4-(<i>N,N</i> -dimethylamino)pyridine: an easily recyclable catalyst for Baylis–Hillman reactions N.-F. Yang, H. Gong (Xiangtan, PR China), W.-J. Tang, Q.-H. Fan (Beijing, PR China), C.-Q. Cai and L.-W. Yang (Xiangtan, PR China)	55
Photocatalytic degradation of chlorfenapyr in aqueous suspension of TiO_2 Y. Cao (Shanghai, China), J. Chen, L. Huang, Y. Wang (Changsha, China), Y. Hou and Y. Lu (Shanghai, China).....	61
Hydroformylation of 1-octene using rhodium-1,3-R ₂ -3,4,5,6-tetrahydropyrimidin-2-ylidenes (R = 2-Pr, mesityl) M. Bortenschlager (Garching, Germany), M. Mayr (Leipzig, Germany), O. Nuyken (Garching, Germany) and M.R. Buchmeiser (Leipzig, Germany)	67
Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation M.S.M. Moreira, P.R. Martins, R.B. Curi, O.R. Nascimento and Y. Iamamoto (São Carlos, Brazil)	73
Effect of acetone/citral molar ratio and reaction conditions in the aldol condensation of citral with acetone catalyzed by a Mg,Al-mixed oxide C.N. Pérez, C.A. Henrique, O.A.C. Antunes and J.L.F. Monteiro (Rio de Janeiro, Brazil)	83
Preparation of spherical $MgCl_2$ supported bis(imino)pyridyl iron(II) precatalyst for ethylene polymerization R. Huang, D. Liu, S. Wang and B. Mao (Beijing, PR China)	91
Investigation into antimony pentafluoride-based catalyst in preparing organo-fluorine compounds H.-e Yang, H.-d Quan, M. Tamura and A. Sekiya (Ibaraki, Japan).....	99
Catalytic asymmetric hydrogenation of ethyltrifluoroacetacetate with 4,4' and 5,5'- <i>diam</i> BINAP Ru(II) complexes in unusual conditions M. Berthod (Villeurbanne, France), G. Mignani (Saint-Fons, France) and M. Lemaire (Villeurbanne, France)	105
Catalysis and characterization of a rugged lead ruthenate pyrochlore membrane catalyst J.-H. Ke, A.S. Kumar, J.-W. Sue, S. Venkatesan and J.-M. Zen (Taichung, Taiwan).....	111
An efficient procedure for protection of carbonyls catalyzed by sulfamic acid B. Wang (Lanzhou, China and Beijing, China), Y. Gu, G. Song, T. Yang, L. Yang (Lanzhou, China) and J. Suo (Chengdu, China)	121
Immobilized copper(II) complexes on montmorillonite and MCM-41 as selective catalysts for epoxidation of alkenes M. Ghadiri, F. Farzaneh, M. Ghandi and M. Alizadeh (Tehran, Iran)	127
Hydrogenation of edible oil over Pd-Me/ Al_2O_3 catalysts (Me = Mo, V and Pb) M.B. Fernández, C.M. Piqueras, G.M. Tonetto, G. Crapiste and D.E. Damiani (Bahía Blanca, Argentina).....	133
Silicotungstate-modified zirconia as an efficient catalyst for phenol <i>tert</i> -butylation B.M. Devassy, G.V. Shanbhag, S.P. Mirajkar (Pune, India), W. Böhringer, J. Fletcher (Rondebosch, South Africa) and S.B. Halligudi (Pune, India)	141
Author index	147
Subject index	149
Volume contents	153