

(Contents Continued from outside back cover)

Effect of the cross-linker on the general performance and temperature dependent behaviour of a molecularly imprinted polymer catalyst of a Diels–Alder reaction H. Henschel, N. Kirsch, J. Hedin-Dahlström (Kalmar, Sweden), M.J. Whitcombe (Cranfield, UK), S. Wikman (Kalmar, Sweden) and I.A. Nicholls (Kalmar, Sweden and Uppsala, Sweden)	199
Influence of reaction conditions on the selectivity of the synthesis of lactulose with microbial β -galactosidases C. Guerrero, C. Vera (Valparaíso, Chile), F. Plou (Madrid, Spain) and A. Illanes (Valparaíso, Chile)	206
<i>In situ</i> visualization and effect of glycerol in lipase-catalyzed ethanolysis of rapeseed oil Y. Xu, M. Nordblad (Lyngby, Denmark), P.M. Nielsen, J. Brask (Bagsvaerd, Denmark) and J.M. Woodley (Lyngby, Denmark)	213
FTIR-ATR characterization of free <i>Rhizomucor meihei</i> lipase (RML), Lipozyme RM IM and chitosan-immobilized RML S.E. Collins (Santa Fe, Argentina), V. Lassalle and M.L. Ferreira (Bahía Blanca, Argentina)	220
Transglycosylation by barley α -amylase 1 J.A. Mótýán, E. Fazekas (Debrecen, Hungary), H. Mori (Valby, Denmark and Sapporo, Japan), B. Svensson (Valby, Denmark and Lyngby, Denmark), P. Bagossi, L. Kandra and G. Gyémánt (Debrecen, Hungary)	229
Quantitative prediction of enantioselectivity of <i>Candida antarctica</i> lipase B by combining docking simulations and quantitative structure–activity relationship (QSAR) analysis J. Gu, J. Liu and H. Yu (Hangzhou, PR China)	238
Microbial transformation of 14-deoxy-11, 12-didehydroandrographolide and 14-deoxyandrographolide and inhibitory effects on nitric oxide production of the transformation products L.-X. Chen, Y.-L. Zhuang (Shenyang, People's Republic of China), L. Shen (Kunming, People's Republic of China), E.-L. Ma (Shenyang, People's Republic of China), H.-J. Zhu (Kunming, People's Republic of China), F. Zhao (Yantai, People's Republic of China) and F. Qiu (Shenyang, People's Republic of China)	248
Purification and characterization of an extracellular lipase from a novel strain <i>Penicillium</i> sp. DS-39 (DSM 23773) D.S. Dheeman (Dublin, Ireland), S. Antony-Babu (Newcastle, UK and Champenoux, France), J.M. Frías and G.T.M. Henehan (Dublin, Ireland)	256
Clean synthesis of biolubricants for low temperature applications using heterogeneous catalysts C.O. Åkerman (Lund, Sweden and Cochabamba, Bolivia), Y. Gaber (Lund, Sweden and Egypt), N.A. Ghani (Selangor, Malaysia), M. Lämsä (Raisio, Finland) and R. Hatti-Kaul (Lund, Sweden)	263
First example of hydrolytic kinetic resolution of acrylate of secondary alcohols by lipase Amano AK P.P. Bora, G. Bez and J.M.H. Anal (Shillong, India)	270
A nylon membrane based amperometric biosensor for polyphenol determination J. Narang, N. Chauhan (Rohtak, India), A. Singh (Kurukshetra, India) and C.S. Pundir (Rohtak, India)	276
Amperometric xanthine biosensors based on electrodeposition of platinum on polyvinylferrocenium coated Pt electrode S.Z. Baş, H. Gülce and S. Yıldız (Konya, Turkey)	282
Hydride transfer versus electron transfer in the reduction of 4-phenyl-3-halo-3-buten-2-ones mediated by <i>Pichia stipitis</i> D.S. Zampieri, L.A. Zampieri, J.A.R. Rodrigues, B.R.S. de Paula and P.J.S. Moran (Campinas, Brazil)	289
Synthesis of S-licarbazepine by asymmetric reduction of oxcarbazepine with <i>Saccharomyces cerevisiae</i> CGMCC No. 2266 Z.-M. Ou (Hangzhou, China), H.-B. Shi, X.-Y. Sun (Qiqihar, China) and W.-H. Shen (Hangzhou, China)	294
ZnO nanoparticle and multiwalled carbon nanotubes for glucose oxidase direct electron transfer and electrocatalytic activity investigation F. Hu, S. Chen, C. Wang, R. Yuan, Y. Chai, Y. Xiang and C. Wang (Chongqing, China)	298
Characterization of the catalytic and kinetic properties of a thermostable <i>Thermoplasma acidophilum</i> α -glucosidase and its transglucosylation reaction with arbutin S.-H. Seo, K.-H. Choi, S. Hwang, J. Kim (Busan, Republic of Korea), C.-S. Park (Yongin, Republic of Korea), J.-R. Rho (Jeonbuk, Republic of Korea) and J. Cha (Busan, Republic of Korea)	305
DoE oriented reaction optimization on the lipase-catalyzed monostearin synthesis I.I. Junior, F.K. Sutili, S.G.F. Leite, L.S.d.M. Miranda, I.C.R. Leal and R.O.M.A. de Souza (Rio de Janeiro, Brazil)	313
Highly soluble expression and molecular characterization of an organic solvent-stable and thermotolerant lipase originating from the metagenome X. Fan, X. Liu, K. Wang, S. Wang, R. Huang and Y. Liu (Guangzhou, PR China)	319