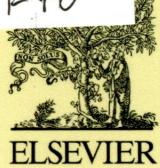


TM

E70



Volume 380, October 25 2014

ISSN 0378-3812

FLUID PHASE EQUILIBRIA

AN INTERNATIONAL JOURNAL

FLUID PHASE EQUILIBRIA

CONTENTS

(Abstracted/Indexed in: Curr. Contents/Eng. Technol. Appl. Sci. Curr. Contents/Phys. Chem. Earth Sci., Sci. Cit. Index, Phys. Abstr., ASCA, Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®)

Full Length Articles

Extraction of benzene, ethylbenzene, and xylenes from <i>n</i> -heptane using binary mixtures of [4empy][Tf ₂ N] and [emim][DCA] ionic liquids M. Larriba, P. Navarro, J. García and F. Rodríguez (Madrid, Spain)	1–10
Vapor–liquid critical point measurements of fifteen compounds by the pulse-heating method E.D. Nikitin and A.P. Popov (Ekaterinburg, Russia)	11–17
Vapour–liquid equilibrium of carboxylic acid–alcohol binary systems: 2-Propanol + butyric acid, 2-butanol + butyric acid and 2-methyl-1-propanol + butyric acid S.A. Iwarere, J.D. Raal, P. Naidoo and D. Ramjugernath (Durban, South Africa)	18–27
Phase behavior of Safaniya vacuum residue A. Bazyleva, M. Becerra, D. Stratichuk-Dear and J.M. Shaw (Edmonton, Canada)	28–38
Solubility of carbon dioxide in three [Tf ₂ N] ionic liquids A. Tagiuri, K.Z. Sumon and A. Henni (Regina, Canada)	39–47
Thermodynamic study of the (NaCl + serine + water) mixtures using potentiometric measurements at T = (298.2 and 303.2) K B. Ghalami-Choorbar and F. Sayyadi-Nodehi (Rasht, Iran)	48–57
Liquid–liquid phase equilibria of ionic liquid solutions in the critical region: 1-Methyl-3-octylimidazolium tetrafluoroborate with 1-pentanol or 1-hexanol Z. Hao, Z. Cui (Lanzhou, China), T. Yin (Shanghai, China), P. Zheng, J. Zhao (Lanzhou, China) and W. Shen (Lanzhou, China and Shanghai, China)	58–66
Vaporization enthalpies of a series of the fluoro- and chloro-substituted methylbenzenes S.P. Verevkin (Rostock, Germany), V.N. Emel'yanenko, M.A. Varfolomeev, B.N. Solomonov (Kazan, Russia) and K.V. Zherikova (Novosibirsk, Russia)	67–75
Determination of solid–liquid partition coefficient of volatile compounds by solid phase ratio variation based headspace analysis H.-C. Hu (Fuzhou, China and Guangzhou, China), X.-S. Chai and D. Barnes (Guangzhou, China)	76–81
High-pressure densities and interfacial tensions of binary systems containing carbon dioxide + <i>n</i> -alkanes: (<i>n</i> -Dodecane, <i>n</i> -tridecane, <i>n</i> -tetradecane) C. Cumicheo, M. Cartes, H. Segura (Concepción, Chile), E.A. Müller (London, UK) and A. Mejía (Concepción, Chile)	82–92
Liquid–liquid equilibria for multicomponent mixtures of 2,2-dimethyl-1,3-dioxolane with <i>n</i> -heptane, toluene, ethanol and water A. Kilina, G. Kuranov, I. Pukinsky and N. Smirnova (St. Petersburg, Russian Federation)	93–99
Comparison of thermodynamic lattice models for multicomponent mixtures J.S. Choi, H.E. Yang, C.H. Lee and Y.C. Bae (Seoul, Republic of Korea)	100–115
Continuous-flow microfluidic method for octanol–water partition coefficient measurement K. Stephan, J. Saab (Jounieh, Lebanon), I. Mokbel, C. Goutaudier and R. Ferrigno (Villeurbanne, France)	116–120
Prediction of standard enthalpy of formation in the solid state by a third-order group contribution method K. Argoub, A.M. Benkouider, A. Yahiaoui (Mascara, Algeria), R. Kessas, S. Guella (Oran, Algeria) and F. Bagui (Rouen, France) ..	121–127
Solubilities of 5,10,15,20-tetrakis(4-chlorophenyl) porphyrin manganese(III) chloride in <i>N,N</i> -dimethylformamide + water mixtures C. Li, Q. Wang (Changsha, China), B. Shen, Z. Xiong and C. Chen (Quzhou, China)	128–131
Experimental solid–liquid–liquid equilibrium data for the H ₂ O + NaOH + pyrrolidine ternary system. Application to the extraction of N-aminopyrrolidine M.R. Frangieh, A.J. Bougrine, R. Tenu, J.J. Couniou, A. Dhenain and C. Goutaudier (Villeurbanne, France)	132–139
Isobaric vapor–liquid equilibrium data for methylcyclohexane + 2-methoxyethanol and methylcyclohexane + 2-ethoxyethanol at 50.00 and 101.33 kPa L. Wang and P. Bai (Tianjin, China)	140–146
Short Communication	
An improved viscosity model based on Peng–Robinson equation of state for light hydrocarbon liquids and gases X. Wu, C. Li and W. Jia (Chengdu, China)	147–151

