

NY  
F70



ELSEVIER

Volume 374, July 25 2014

ISSN 0378-3812

# **FLUID PHASE EQUILIBRIA**

**AN INTERNATIONAL JOURNAL**

# **FLUID PHASE EQUILIBRIA**

## CONTENTS

(Abstracted/Index 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 Article**

Modelling polylactide/water/dioxane systems for TIPS scaffold fabrication G. Cocchi, M.G.D. Angelis (Bologna, Italy), G. Sadowski (Dortmund, Germany) and F. Doghieri (Bologna, Italy).....	1–8
Density measurements of compressed dipropyl, dibutyl, bis(2-ethylhexyl) adipates from (293 to 373 K) at pressures up to about 68 MPa J.C.F. Diogo, H.M.N.T. Avelino, F.J.P. Caetano and J.M.N.A. Fareleira (Lisboa, Portugal) .....	9–19
Solubility and polymorphic forms of antibiotic lasalocid sodium in different organic solvents X. Zhang, Z. Zhang (Shanghai, China), Z. Yang, J. Chai, C. Liu, L. Zhang (Taizhou, China) and X. Zhou (Shanghai, China) ...	20–24
Measurements and modeling of CO <sub>2</sub> solubility in 1,8-diazabicyclo-[5.4.0]-undec-7-ene–Glycerol solutions A. Ostonen, E. Sapei, P. Uusi-Kyyyny, A. Klemelä and V. Alopaeus (Espoo, Finland).....	25–36
Selectivities at infinite dilution of xylene isomers in ionic liquids L.-S. Wang and X.-Y. Wang (Beijing, China).....	37–47
Prediction of the aqueous solubility of BaSO <sub>4</sub> using pitzer ion interaction model and LSSVM algorithm H. Safari (Ahwaz, Iran), A. Shokrollahi (Tehran, Iran), M. Jamialahmadi (Ahwaz, Iran), M.H. Ghazanfari (Tehran, Iran), A. Bahadori (Lismore, Australia) and S. Zendehboudi (Cambridge, MA, USA) .....	48–62
Thermodynamics of poly(benzyl methacrylate)–probe interactions at different temperatures by using inverse gas chromatography İ. Kaya and Ç.Y. Pala (Çanakkale, Turkey)	63–69
Surfactant/ionic liquid aqueous two-phase system extraction coupled with spectrofluorimetry for the determination of dutasteride in pharmaceutical formulation and biological samples A. Gong and X. Zhu (Yangzhou, China) .....	70–78
An algorithm for the regression of the UNIQUAC interaction parameters in liquid–liquid equilibrium for single- and multi-temperature experimental data G. Santori, M. Franciolini (Edinburgh, UK), G. Di Nicola, F. Polonara (Ancona, Italy), S. Brandani (Edinburgh, UK) and R. Stryjek (Warsaw, Poland).....	79–85
Predicting the solubility of SrSO <sub>4</sub> in Na–Ca–Mg–Sr–Cl–SO <sub>4</sub> –H <sub>2</sub> O system at elevated temperatures and pressures H. Safari (Ahwaz, Iran), A. Shokrollahi (Tehran, Iran), A. Moslemizadeh (Omidieh, Iran), M. Jamialahmadi (Ahwaz, Iran) and M.H. Ghazanfari (Tehran, Iran) .....	86–101
Measurement and correlation for the solubility of dimethyl succinylsuccinate in (methanol + water) and (methanol + dimethyl succinate) binary solvent mixtures T. Liu, W. Zou, W. Zhao, F.-B. Zhang, G.-L. Zhang and Q. Xia (Tianjin, PR China).....	102–107

