

# Kamil Padászyński

Lista publikacji  
z dnia 31 października 2012

## Publikacje w czasopismach

1. Padászyński K., Domańska U., 2012, **Heterosegmented perturbed-chain statistical associating fluid theory as a robust and accurate tool for modeling of various alkanes. 1. Pure fluids**, *Industrial & Engineering Chemistry Research* 51: 12967-12983.
2. Domańska U., Skiba K., Zawadzki M., Padászyński K., Królikowski, M., 2013, **Synthesis, physical, and thermodynamic properties of 1-alkyl-cyanopyridinium bis{(trifluoromethyl)sulfonyl}imide ionic liquids**, *Journal of Chemical Thermodynamics* 56: 153-161.
3. Królikowska M., Padászyński K., Hofman T., Antonowicz J., 2012, **Heat capacities and excess enthalpies of the (N-hexylisoquinolinium thiocyanate ionic liquid + water) binary systems**, *Journal of Chemical Thermodynamics* 55: 144-150.
4. Domańska U., Zawadzki M., Padászyński K., Królikowski M., 2012, **Perturbed-chain SAFT as a versatile tool for thermodynamic modeling of binary mixtures containing isoquinolinium ionic liquids**, *Journal of Physical Chemistry B* 116: 8191-8200.
5. Padászyński K., Domańska U., 2012, **Thermodynamic modeling of ionic liquid systems: Development and detailed overview of novel methodology based on the PC-SAFT**, *Journal of Physical Chemistry B* 116: 5002-5018.
6. Padászyński K., Domańska U., 2012, **A new group contribution method for prediction of density of pure ionic liquids over a wide range of temperature and pressure**, *Industrial & Engineering Chemistry Research* 51: 591-604.
7. Padászyński K., Domańska U., 2012, **Solubility of aliphatic hydrocarbons in piperidinium ionic liquids: Measurements and modeling in terms of perturbed-chain statistical associating fluid theory and nonrandom hydrogen-bonding theory**, *Journal of Physical Chemistry B* 115: 12537-12548.
8. Padászyński K., Domańska U., 2011, **Limiting activity coefficients and gas-liquid partition coefficients of various solutes in piperidinium ionic liquids: Measurements and LSER calculations**, *Journal of Physical Chemistry B* 115: 8207-8215.
9. Padászyński K., Chiyen J., Ramjugernath D., Letcher T.M., Domańska U., 2011, **Liquid-liquid phase equilibrium of (piperidinium-based ionic liquid + an alcohol) binary systems and modelling with NRHB and PCP-SAFT**, *Fluid Phase Equilibria* 305: 43-52.
10. Domańska U., Królikowska M., Padászyński K., 2011, **Physico-chemical properties and phase behaviour of piperidinium-based ionic liquids**, *Fluid Phase Equilibria* 303: 1-9.
11. Domańska U., Padászyński K., Dąbska J., 2011, **Measurements, correlations, and Mod. UNIFAC (Do) prediction of (Solid-Liquid) phase equilibria diagrams in binary systems (Aliphatic Ketone + an Alcohol)**, *Journal of Chemical & Engineering Data* 56: 881-888.
12. Domańska U., Padászyński K., Żołek-Tryznowska Z., 2011, **(Liquid + liquid) equilibria of binary systems containing hyperbranched polymer Boltorn® H2004 - Experimental study and modelling in terms of lattice-cluster theory**, *Journal of Chemical Thermodynamics* 43: 167-171.
13. Domańska U., Padászyński K., Niszczota Ż.K., 2011, **Solubility of fragrance raw materials in water: Experimental study, correlations, and Mod. UNIFAC (Do) predictions**, *Journal of Chemical Thermodynamics* 43: 28-33.
14. Domańska U., Padászyński K., 2010, **Measurements of activity coefficients at infinite dilution of organic solutes and water in 1-propyl-1-methylpiperidinium bis{(trifluoromethyl) sulfonyl}imide ionic liquid using g.l.c.**, *Journal of Chemical Thermodynamics* 42: 1361-1366.
15. Domańska U., Padászyński K., Żołek-Tryznowska Z., 2010, **Liquid-liquid phase equilibria of binary systems containing hyperbranched polymer B-U3000: Experimental study and modeling in terms of lattice cluster theory**, *Journal of Chemical & Engineering Data* 55: 3842-3846.

16. Domańska U., Padászyński K., 2010, **Gas-liquid chromatography measurements of activity coefficients at infinite dilution of various organic solutes and water in tri-iso-butylmethylphosphonium tosylate ionic liquid**, *Journal of Chemical Thermodynamics* 42: 707-711.
17. Domańska U., Królikowski M., 2009, Padászyński K., **Phase equilibria study of the binary systems (N-butyl-3-methylpyridinium tosylate ionic liquid + an alcohol)**, *Journal of Chemical Thermodynamics* 41: 932-938.
18. Domańska U., Padászyński K., 2009, **(Solid + liquid) and (liquid + liquid) phase equilibria measurements and correlation of the binary systems {tri-iso-butyl(methyl)phosphonium tosylate + alcohol, or +hydrocarbon}**, *Fluid Phase Equilibria* 278: 90-96.
19. Domańska U., Padászyński K., 2008, **Phase equilibria study in binary systems (tetra-n-butylphosphonium tosylate ionic liquid + 1-alcohol, or benzene, or n-alkylbenzene)**, *Journal of Physical Chemistry B* 112: 11054-11059.