

Marek Królikowski

Lista publikacji z dnia 31 października 2012

Publikacje w czasopismach

1. Domańska U., Królikowski M., Acree Jr. W. E., Baker G. A., 2013, **Physicochemical properties and activity coefficients at infinite dilution for organic solutes and water in a novel bicyclic guanidinium superbase-derived protic ionic liquid**, *Journal of Chemical Thermodynamics* 58: 62-69.
2. Domańska U., Skiba K., Zawadzki M., Padaszyński K., Królikowski, M., 2013, **Synthesis, physical, and thermodynamic properties of 1-alkyl-cyanopyridinium bis(trifluoro-methylsulfonyl)amide ionic liquids**, *Journal of Chemical Thermodynamics* 56: 153 - 161.
3. Domańska U., Królikowski M., 2012, **Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-ethyl-3-methylimidazolium methanesulfonate**, *Journal of Chemical Thermodynamics* 54: 20-27.
4. Domańska U., Królikowski M., 2012, **Extraction of butan-1-ol from water with ionic liquids at T = 308.15 K**, *Journal of Chemical Thermodynamics* 53: 108 – 113.
5. Domańska U., Zawadzki M., Padaszyński 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.
6. Domańska U., Królikowski M., Pobudkowska A., Bocheńska P., 2012, **Solubility of ionic liquids in water and octan-1-ol and octan-1-ol/water, or 2-phenylethanol/water partition coefficients**, *Journal of Chemical Thermodynamics* 55: 225 – 233.
7. Marciniak A., Królikowski M., 2012 **Ternary (liquid + liquid) equilibria of {trifluorotris(perfluoroethyl)phosphate based ionic liquids + thiophene + heptane}**, *Journal of Chemical Thermodynamics* 49: 154-158.
8. Marciniak A., Królikowski M., 2012, **Ternary liquid-liquid equilibria of bis(trifluoro-methylsulfonyl)amide based ionic liquids + thiophene + n-heptane. The influence of cation structure**, *Fluid Phase Equilibria* 321: 59-63.
9. Marciniak A., Królikowski M., 2012, **Ternary liquid-liquid equilibria of bis(trifluoro-methylsulfonyl)-amide based ionic liquids + methanol + heptane**, *Fluid Phase Equilibria* 318: 56-60.
10. Domańska U., Lukoshko E. V., Królikowski M., 2012, **Measurements of activity coefficients at infinite dilution for organic solutes and water in the ionic liquid 1-butyl-1-methylpyrrolidinium tris(pentafluoroethyl)trifluorophosphate ([BMPYR][FAP])**, *Chemical Engineering Journal* 183: 261-270.
11. Domańska U., Zawadzki M., Królikowski M., Lewandowska, A., 2011, **Phase equilibria study of binary and ternary mixtures of {N-octylisoquinolinium bis{(trifluoromethyl)-sulfonyl}imide + hydrocarbon, or an alcohol, or water}**, *Chemical Engineering Journal* 181-182: 63-71.
12. Domańska U., Królikowski M., 2011, **Thermodynamics and activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid N-hexyl-3-methylpyridinium tosylate**, *Journal of Physical Chemistry B* 115: 7397–7404.
13. Domańska U., Królikowski M., 2011, **Phase equilibrium study of the binary systems (N-hexyl-3-methylpyridinium tosylate ionic liquid + water, or organic solvent)**, *Journal of Chemical Thermodynamics* 43: 1488-1494.
14. Domańska U., Królikowski M., Acree Jr. W. E., 2011, **Thermodynamics and activity coefficients at infinite dilution measurements for organic solutes and water in the ionic liquid 1-butyl-1-methylpyrrolidinium tetracyanoborate**, *Journal of Chemical Thermodynamics* 43: 1810-1817.

15. Domańska U., Królikowski M., Ramjugernath D., Letcher T. M., Tumba K., 2011, *Phase equilibria and modeling of pyridinium-based ionic liquid solutions*, *Journal of Physical Chemistry B* 114: 15011-15017.
16. Domańska U., Królikowski M., 2010, *Phase equilibria study of the binary systems (1-butyl-3-methylimidazolium tosylate ionic liquid + water, or organic solvent)*, *Journal of Chemical Thermodynamics* 42: 355-362.
17. Domańska U., Królikowska M., Królikowski M., 2010, *Phase behaviour and physico-chemical properties of the binary systems {1-ethyl-3-methylimidazolium thiocyanate, or 1-ethyl-3-methylimidazolium tosylate + water, or + an alcohol}*, *Fluid Phase Equilibria* 294: 72-83.
18. Letcher T. M., Ramjugernath D., Tumba K., Królikowski M., Domańska U., 2010, *(Solid + liquid) and (liquid + liquid) phase equilibria study and correlation of the binary systems {N-butyl-3-methylpyridinium tosylate + water, or + an alcohol, or + a hydrocarbon}*, *Fluid Phase Equilibria* 294: 89-97.
19. Domańska U., Królikowski M., 2010, *Determination of activity coefficients at infinite dilution of 35 solutes in the ionic liquid, 1-butyl-3-methylimidazolium tosylate, using gas-liquid chromatography*, *Journal of Chemical and Engineering Data* 55: 4817-4822.
20. Letcher T. M., Ramjugernath D., Laskowska M., Królikowski M., Naidoo P., Domańska U., 2009, *Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid N-butyl-4-methylpyridinium tosylate using GLC at T = (328,15, 333,15, 338,15, and 343,15) K*, *Fluid Phase Equilibria* 276: 31-36.
21. Domańska U., Królikowski M., Pobudkowska A., Letcher T. M., 2009, *Phase equilibria study of the binary systems (N-butyl-4-methylpyridinium tosylate ionic liquid + organic solvent, or water)*, *Journal of Chemical and Engineering Data* 54: 1435-1441.
22. Domańska U., Królikowski M., Padaszyński K., 2009, *Phase equilibria study of the binary systems (N-butyl-3-methylpyridinium tosylate ionic liquid + an alcohol)*, *Journal of Chemical Thermodynamics* 41: 932-938.
23. Domańska U., Królikowski M., Ślesińska K., 2009, *Phase equilibria study of the binary systems (ionic liquid + thiophene): Desulphurization process*, *Journal of Chemical Thermodynamics* 41: 1303-1311.
24. Letcher T. M., Ramjugernath D., Laskowska M., Królikowski M., Naidoo P., Domańska U., 2008, *Activity coefficients at infinite dilution measurements for organic solutes in the ionic liquid trihexyltetradecylphosphonium bis(2,4,4-trimethylpentyl)-phosphinate using g.l.c. at T = (303,15, 308,15, 313,15, and 318,15) K*, *Journal of Chemical Thermodynamics* 40: 1243-1247.
25. Letcher T. M., Ramjugernath D., Laskowska M., Królikowski M., Naidoo P., Domańska U., 2008, *Determination of activity coefficients at infinite dilution of solutes in the ionic liquid, trihexyltetradecylphosphonium bis(trifluoromethylsulfonyl)imide, using gas-liquid chromatography at T = (303,15, 308,15, 313,15, and 318,15) K*, *Journal of Chemical and Engineering Data* 53: 2044-2049.
26. Domańska U., Marciniak A., Królikowski M., 2008, *Phase equilibria and modeling of ammonium ionic liquid, C₂NTf₂, solutions*, *Journal of Physical Chemistry B* 112: 1218-1225.
27. Domańska U., Żołek-Tryznowska Z., Królikowski M., 2007, *Thermodynamic phase behavior of ionic liquids*, *Journal of Chemical and Engineering Data* 52: 1872-1880.
28. Domańska U., Pobudkowska A., Królikowski M., 2007, *Separation of aromatic hydrocarbons from alkanes using ammonium ionic liquid C₂NTf₂ at T = 298.15 K*, *Fluid Phase Equilibria* 259: 173-179.