

Lista publikacji

- październik 2011

I. Publikacje książkowe (monografie):

1. Łuczak J., Łącka I., Jungnickel C., Hupka J., ***Oils and Fuels for Sustainable Development***, [w:] ***Antimicrobial and surface activity of 1-alkyl-3-methyl imidazolium derivatives***, Hupka J., Aranowski R., Tonderski A., Wydawnictwo Politechniki Gdańskiej 2008: 165-172.
2. Joskowska M., Łuczak J., Hołownia D., Rzechuła J., Hupka J., ***Oils and Fuels for Sustainable Development***, [w:] ***Preparation of porous membranes with ionic liquids for separation of carbon dioxide from methane***, Hupka J., Aranowski R., Tonderski A., 2008: 210-217.
3. Łuczak J., Joskowska M., Jungnickel C., Hupka J., ***Oils and Fuels for Sustainable Development***, [w:] ***Influence of salt on micellisation of 1-decyl-3-methyl imidazolium chloride in aqueous solution***, Hupka J., Aranowski R., Tonderski A., 2008: 262-267.
4. Jungnickel C., Thöming J., Preiss U., Łuczak J., Krossing I., ***Oils and Fuels for Sustainable Development***, [w:] ***A method to predict the critical micelle concentration of ionic liquids from the molecular volume***, Hupka J., Aranowski R., Tonderski A., 2008: 243-249.

II. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. Łuczak J., Markiewicz M., Thöming J., Hupka J., Jungnickel C., 2011, ***Influence of the Hofmeister anions on self-organization of 1-decyl-3-methylimidazolium chloride in aqueous solutions***, *Journal of colloid and interface science* 362: 415-422.
2. Markiewicz M., Lustig Z., Stolte S., Łuczak J., Skup M., Hupka J., Jungnickel C., 2011, ***Influence of microbial adaption and supplementation of nutrients on the biodegradation of ionic liquids in sewage sludge treatment processes***, *Journal Hazardous Materials* 195: 378-382.
3. Łuczak J., Nischk M., Klein M., Hupka J., 2011, ***Analiza odpadów pod kątem termicznego wykorzystania frakcji energetycznej***, *Inżynieria i aparatura chemiczna* 5: 66-67.
4. Łuczak J., Łącka I., Jungnickel C., Stolte S., Hupka J., 2010, ***Antimicrobial and surface activity of 1-alkyl-3-methyl imidazolium derivatives***, *Green Chemistry* 12: 593-601.
5. Joskowska M., Dębski B., Łuczak J., Markiewicz M., Aranowski R., Hupka J., 2010, ***Wyznaczenie współczynników dyfuzji tlenu węgla (IV) przez membrany wysycane cieczą jonową***, *Przemysł Chemiczny* 11: 1453-1457.
6. Łuczak J., Joskowska M., Hupka J., Thöming J., Jungnickel C., 2009, ***Thermodynamics of micellization of imidazolium ionic liquids in an aqueous solution***, *Journal of Colloid and Interface Science* 336: 111-116.
7. Preiss U., Jungnickel C., Thöming J., Krossing I., Łuczak J., Diedenhofen M., Klamt A., 2009, ***Predicting the Critical Micelle Concentration of Aqueous Solutions of Ionic Liquids and other Ionic Surfactants***, *Chemistry – A European Journal* 15: 8880-8885.

8. Jungnickel C., Łuczak J., Ranke J., Fernández J. F., Müller A., Thöming J., 2008, ***Micelle formation of imidazolium ionic liquids in aqueous solution***, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 316: 278-284.
9. Łuczak J., Joskowska M., Hupka J., 2008, ***Imidazolium ionic liquids in mineral processing***, *Physicochemical problems of mineral processing* 42: 325-336.
10. Perkowska M., Łuczak J., Sawicki J., Hupka J., 2006, ***Transestryfication of postfrying oils and utilization of the glycerol phase***, *Polish Journal of Chemical Technology* 8: 132-134.

III. Prace przeglądowe (raporty, suplementy, recenzje naukowe, opracowania źródłowe):

1. Jungnickel C., Mroziński W., Markiewicz M., Łuczak J., 2011, ***Fate of ionic liquids in soils and sediments***, *Current Organic Chemistry* 15: 1928-1942.
2. Łuczak J., Jungnickel C., Thöming J., Hupka J., 2008, ***Self-organization of imidazolium ionic liquids in aqueous solution***, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 329: 125-133.
3. Joskowska M., Łuczak J., Aranowski R., Hupka J., 2011, ***Wydzielanie tlenku węgla (IV) z biogazu z zastosowaniem imidazoliowych cieczy jonowych***, *Przemysł Chemiczny* 3: 459-465.

IV. Prace pokonferencyjne i doniesienia zjazdowe:

1. Łuczak J., Markiewicz M., Joskowska M., Lustig Z., Hupka J., Jungnickel C., 2011, ***Investigation of the distribution of imidazolium ionic liquids in the environment – aggregation in water and sorption onto mineral***, *Proceedings of 14th International Symposium of Students and Young Mechanical Engineers: Advances in Chemical and Mechanical Engineering*, Gdańsk, s.: 58-63.
2. Henke J., Markiewicz M., Łuczak J., Jungnickel C., 2010, ***Effect of neoteric solvents on the activated sludge activity***, *Proceedings of 13th International Symposium of Students and Young Mechanical Engineers: Advances in Chemical and Mechanical Engineering*, Gdańsk, s.: 251-261.
3. Markiewicz M., Łuczak J., Henke J., Joskowska M., Jungnickel C., 2010, ***Ionic liquids-greener solvents or environment al threat?***, *Proceedings of 13th International Symposium of Students and Young Mechanical Engineers: Advances in Chemical and Mechanical Engineering*, Gdańsk, s.: 251-261.
4. Zuzański J., Łuczak J., Markiewicz M., Chrzanowski W., Jungnickel C., 2010, ***Experimental study of the variations of the freezing points of ionic liquids in water***, *Proceedings of 13th International Symposium of Students and Young Mechanical Engineers: Advances in Chemical and Mechanical Engineering*, Gdańsk, s.: 401-406.
5. Piszora M., Jungnickel C., Markiewicz M., Łuczak J., Stolte S., 2010, ***Rapid test for ionic liquids toxicity evaluation***, *Proceedings of 13th International Symposium of Students and Young Mechanical Engineers: Advances in Chemical and Mechanical Engineering*, Gdańsk, s.: 306-311.

6. Łuczak J., Hupka J., Thöming J., Jungnickel C., 2007, ***Thermodynamics of aggregation of 1-methyl-3-tetradecylimidazolium chloride in an aqueous solution***, Proceedings of Surfactants and Dispersed System in Theory and Practice, Książ, PALMA Press, s.: 149-152.
7. Jungnickel C., Łuczak J., Ranke J., Fernandez J. F., Müller A., Thöming J., 2-7, ***Aggregate formation of imidazolium ionic liquids in aqueous solution***, Proceedings of Surfactants and Dispersed Systems in Theory and Practice, Książ, PALMA Press, s.: 153-156.