

Lista publikacji

- październik 2011

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

1. Jaćkowska M., **Bocian S.**, Gawdzik B., Grochowicz M., Buszewski B., 2011, ***Influence of chemical modification on the porous structure of polymeric adsorbents***, *Matter. Chem. Phys.* 130: 644-650.
2. Buszewski B., Szultka M., Olszowy P., **Bocian S.**, Ligor T., 2011, ***A novel approach to the rapid determination of amoxicillin in human plasma by solid phase microextraction and liquid chromatography***, *Analyst* 136: 2635-2642.
3. Buszewski B., **Bocian S.**, Rychlicki G., 2011, ***Investigation of silanol activity on the modified silica surfaces using microcalorimetric measurements***, *J. Sep. Sci.* 34: 773-77.
4. Buszewski B., Jaćkowska M., **Bocian S.**, Kosobucki P., Gawdzik B., 2011, ***Functionalized polymeric stationary phases for ion chromatography***, *J. Sep. Sci.* 34: 601-608.
5. Buszewski B., **Bocian S.**, Matyska M., Pesek J., 2011, ***Study of solvation processes on cholesterol bonded phases***, *J. Chromatogr. A* 1218: 441-448.
6. Vajda P., **Bocian S.**, Buszewski B., Felinger A., 2011, ***Influence of the solvation process on solute adsorption in reversed phase liquid chromatography***, *J. Chromatogr. A* 1218: 1954-1965
7. Buszewski B., Jaćkowska M., **Bocian S.**, Kosobucki P., ***Sposób wytwarzania polimerowych faz stacjonarnych do chromatografii jonowej i technik pokrewnych***, zgłoszenie patentowe nr P.393695 z dnia 20.01.2011.
8. Buszewski B., **Bocian S.**, ***The Method of Selective Alkyl-Phosphate Phases Manufacture for Liquid Chromatography and Related Techniques***, zgłoszenie patentowe nr PCT/PL2011/000067 z dnia 30.06.2011.
9. Vajda P., **Bocian S.**, Buszewski B., Felinger A., 2010, ***Examination of the surface heterogeneity of reversed-phase packing materials with solvent adsorption***, *J. Sep. Sci.* 33: 3644-3654.
10. **Bocian S.**, Matyska M., Pesek J., Buszewski B., 2010, ***Study of the retention and selectivity of cholesterol bonded phases with different linkage spacers***, *J. Chromatogr. A* 1217: 6891-6897.
11. Jaćkowska M., **Bocian S.**, Kosobucki P., Buszewski B., 2010, ***Polymeric Functionalized Stationary Phase for Separation of Ionic Compounds***, *Chromatographia* 72: 611-616.
12. **Bocian S.**, Buszewski B., 2010, ***Retention mechanism of the multifunctionalized solute on columns with different coverage density in highly aqueous reversed-phase conditions***, *J. Sep. Sci.* 33: 3033-3042.
13. Buszewski B., **Bocian S.**, Rychlicki G., Vajda P., Felinger A., 2010, ***Study of solvent adsorption on chemically bonded stationary phases by microcalorimetry and liquid chromatography***, *J. Colloid Interf. Sci.* 349: 620-625.

14. Buszewski B., Bocian S., Zera R., 2010, *Influence of temperature and pressure on the preferential adsorption of component of hydroorganic mobile phase in liquid chromatography*, *Adsorption* 16: 437-445.
15. Buszewski B., Bocian S., Nowaczyk A., 2010, *Modeling solvation on the chemically modified silica surfaces*, *J. Sep. Sci.* 33: 2060-2068.
16. Buszewski B., Bocian S., Dziubakiewicz E., 2010, *Zeta potential determination as a new way of stationary phases characterization for liquid chromatography*, *J. Sep. Sci.* 33: 1529-1537.
17. Bocian S., Vajda P., Felinger A., Buszewski B., 2010, *Effect of the End-capping and Surface Coverage on the Mechanism of Solvent Adsorption*, *Chromatographia* 71: 5-11.
18. Buszewski B., Bocian S., *Sposób wytwarzania selektywnych faz fosfo-alkilowych do chromatografii cieczowej i technik pokrewnych*, zgłoszenie patentowe nr P.391699 z dnia 01.07.2010.
19. Buszewski B., Bocian S., *Sposób wytwarzania selektywnych faz cholesterolowych do chromatografii cieczowej i technik pokrewnych*, zgłoszenie patentowe nr P.391698 z dnia 01.07.2010.
20. Bocian S., Vajda P., Felinger A., Buszewski B., 2009, *Excess adsorption of commonly used organic solvents from water on non-encapped C18-bonded phases in reversed phase liquid chromatography*, *Anal. Chem.* 81: 6334-6346.
21. Jandera P., Bocian S., Molíková M., Buszewski B., 2009, *Characterization of the properties of stationary phases for liquid chromatography in aqueous mobile phases using aromatic sulphonic acids as the test compounds*, *J. Chromatogr. A* 1216: 237-248.
22. Bocian S., Vajda P., Felinger A., Buszewski B., 2008, *Solvent excess adsorption on the stationary phases for reversed phase liquid chromatography with polar functional groups*, *J. Chromatogr. A* 1204: 35-41.
23. Bocian S., Felinger A., Buszewski B., 2008, *Comparison of Solvent Adsorption on Chemically Bonded Stationary Phases in RP-LC*, *Chromatographia* 68: 19-26.
24. Buszewski B., Bocian S., Felinger A., 2008, *Excess isotherms as a new way for characterization of the columns for reversed-phase liquid chromatography*, *J. Chromatogr. A* 1191: 72-77.

II. Prace popularnonaukowe:

1. Bocian S., 2008, *Nauka, wino i czardasz*, *Głos Uczelni* 2(264): 25.
2. Bocian S., 2007, *Zobaczyć niewidzialne, czyli czy warto studiować chemię*, *Analityka* 4: 45-46.