

Szymon Bocian

Lista publikacji
z dnia 30 października 2010

Lista publikacji o zasięgu ogólnokrajowym i międzynarodowym Prace oryginalne i twórcze

1. Buszewski B., Bocian S., Felinger A., *Excess isotherms as a new way for characterization of the columns for reversed-phase liquid chromatography*, *J. Chromatogr. A* 1191(2008): 72-77
2. Bocian S., Felinger A., Buszewski B., *Comparison of Solvent Adsorption on Chemically Bonded Stationary Phases in RP-LC*, *Chromatographia* 68(2008): 19-26
3. Bocian S., Vajda P., Felinger A., Buszewski B., *Solvent excess adsorption on the stationary phases for reversed phase liquid chromatography with polar functional groups*, *J. Chromatogr. A* 1204(2008): 35-41
4. Jandera P., Bocian S., Molíková M., Buszewski B., *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(2009): 237-248
5. Bocian S., Vajda P., Felinger A., Buszewski B., *Excess adsorption of commonly used organic solvents from water on non-encapped C18-bonded phases in reversed phase liquid chromatography*, *Anal. Chem.* 81(2009): 6334-6346
6. Bocian S., Vajda P., Felinger A., Buszewski B., *Effect of the End-capping and Surface Coverage on the Mechanism of Solvent Adsorption*, *Chromatographia* 71(2010): 5-11
7. Buszewski B., Bocian S., Dziubakiewicz E., *Zeta potential determination as a new way of stationary phases characterization for liquid chromatography*, *J. Sep. Sci* 33(2010): 1529-15
8. Buszewski B., Bocian S., Nowaczyk A., *Modeling solvation on the chemically modified silica surfaces*, *J. Sep. Sci.* 33(2010): 2060-2068
9. Buszewski B., Bocian S., Zera R., *Influence of temperature and pressure on the preferential adsorption of component of hydroorganic mobile phase in liquid chromatography*, *Adsorption* 16(2010): 437-445
10. Buszewski B., Bocian S., Rychlicki G., Vajda P., Felinger A., *Study of solvent adsorption on chemically bonded stationary phases by microcalorimetry and liquid chromatography*, *J. Colloid Interf. Sci.* 349(2010): 620-625
11. Bocian S., Buszewski B., *Retention mechanism of the multifunctionalized solute on columns with different coverage density in highly aqueous reversed-phase conditions*, *J. Sep. Sci.* 33(2010): 3033-3042
12. Jaćkowska M., Bocian S., Kosobucki P., Buszewski B., *Polymeric Functionalized Stationary Phase for Separation of Ionic Compounds*, *Chromatographia* 72(2010): 611-616
13. Bocian S., Matyska M., Pesek J., Buszewski B., *Study of the retention and selectivity of cholesterol bonded phases with different linkage spacers*, *J. Chromatogr. A* 1217(2010): 6891-6897
14. Vajda P., Bocian S., Buszewski B., Felinger A., *Examination of the surface heterogeneity of reversed-phase packing materials with solvent adsorption*, *J. Sep. Sci.* DOI 10.1002/jssc.201000341
15. Vajda P., Bocian S., Buszewski B., Felinger A., *Influence of the solvation process on solute adsorption in reversed phase liquid chromatography*, *J. Chromatogr. A*, (zaakceptowane do druku dnia 26.10.2010)

Zgłoszenia patentowe

1. Buszewski B., Bocian S., *Sposób wytwarzania selektywnych faz cholesterolowych do chromatografii cieczowej i technik pokrewnych*, Nr P.391698 z dnia 01.07.2010
2. Bocian S., Buszewski B., *Sposób wytwarzania selektywnych faz fosfo-alkilowych do chromatografii cieczowej i technik pokrewnych*, Nr P.391699 z dnia 01.07.2010

Prace o charakterze popularnonaukowym

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