

1.3. Micellar Chromatography

1. Loginova L.P., Samokhina L.V., Kulikov A.U. Micelle formation characteristics as retention parameters in micellar liquid chromatography // Вісник ХНУ. Серія Хімія. – 2002. - № 573, Вип. 9(32). – С. 107-114.
2. Kulikov A.U., Loginova L.P., Samokhina L.V. Influence of various factors on the chromatographic behavior of cytostatic antibiotics of rubomicin derivatives in micellar liquid chromatography // Chromatographia. – 2003/ - Vol. 57/ - N 3/4. – P. 463-471.
3. Kulikov A.U., Loginova L.P., Samokhina L.V. Micellar chromatography in pharmaceutical analysis and other analytical areas // Фармаком. – 2004. - № 1. – С. 1-31.
4. Kulikov A.U., Verushkin A.G. Development and validation of micellar liquid chromatography method with UV detection for determination of azitromocin in tablets and capsules // Chromatographia. – 2004. – V. 60, N 1/2. – P. 33-38.
5. Kulikov A.U., Verushkin A.G., Loginova L.P. Comparison of micellar and reversed-phase liquid chromatography determination of sulfamethoxazole and trimethoprim // Chromatographia. – 2005. – V. 61, N 9/10. – P. 455-463.
6. Micellar liquid chromatography retention model based on mass-action concept of micelle formation / Loginova L.P., Samokhina L.V.Boichenko A.P., Kulikov A.U.// J. Chromatogr. A – 2006. – Vol. 1104. – P. 190-197.
7. Heteroscedasticity of retention factor and adequate modeling in micellar liquid chromatography / A.I. Boichenko, Iwashchenko A.L., Loginova L.P., Kulikov A.U. // Anal. Chim. Acta. – 2006. – Vol. 576. – P. 229-238.
8. New approach to modeling in micellar liquid chromatography / A.I. Boichenko, Iwashchenko A.L., Loginova L.P., Kulikov A.U. // Res. J. Chem. Environ. – 2006. – Vol 10, N 4. – P, 53-62.
9. Kulikov A.U. Determination of Selenium (IV) in pharmaceuticals and premixes by micellar liquid chromatography // J. Pharm. Biomed. Anal. – 2007/ - Vol. 43. – P. 1283-1289.
10. Aliphatic carboxylic acids as new modifiers for separation of of 2,4-dinitrophenyl amino acid by micellar liquid chromatography / Boichenko A.I., Kulikov A.U., Loginova L.P., Iwashchenko A.L., // J. Chromatogr. A. – 2007. – Vol. 1157. – P. 252-259.
11. Kulikov A.U. Determination of pyrethroid insecticide by micellar liquid chromatography with spectrophotometric detection // Chromatographia. – 2007. – Vol. 66, N 5/6. – P. 303-309.
12. Boichenko A.I., Loginova L.P., Kulikov A.U.. Micellar liquid chromatography (review). Part 1. Fundamentals, retention models and optimization of separation // Методи и об'єкти хімічного аналізу. – 2007. – Т. 2, № 2. – С. 92-116.
13. Retention – hydrophobicity relationships for condensed aromatic hydrocarbons and p-hydroxybenzoic acid esters on the base of micellar liquid chromatography / Boichenko A.I., Loginova L.P., Kulikov A.U, et al.// Ukrainica Bioorganica Acta. – 2007 – Vol. 2. – P, 3-16/
14. Kulikov A.U., Verushkin A.G. Simultaneous determination of paracetamol, caffeine, guifenesin and preservatives in syrups by micellar LC // Chromatographia. – 2008. – Vol. 67, N 5/6. – P. 347-353.
15. MLC determination of preservatives in cranberry foodstuffs / Loginova L.P., Kulikov A.U., Yakovleva E.Y., Boichenko A.P. // Chromatographia. – 2008. – Vol. 67, N 7/8. – P. 615-620.
16. Loginova L.P., Boichenko A.P., Kulikov A.U. Modification of Murakami retention model in reversed-phase liquid chromatography for micellar chromatographic separation // Rus. J. Phys. Chem. – 2008. – Vol. 82, N 9. – P. 1-6.

17. Kulokov A.U., Galat M.N. Comparison of C18 silica bonded phases selectivity in micellar liquid chromatography // *J. Sep. Sci.* – 2009. - Vol. 32. – P. 1340-1350..
18. Kulikov A.U., Galat M.N., Boichenko A.P. Optimization of micellar LC conditions for the flavonoid separation // *Chromatographia.* – 2009. – Vol. 70, N 3/4. – P. 371-379.
19. Kulikov A.U., Boichenko A.P., Verushkin A.G. Optimization of micellar LC conditions for separation of opium alkaloids and their determination in pharmaceutical preparation // *Anal. Meth.* – 2011. – N 3. – P/ 2749-2757.
20. Kulikov A.U. Micellar LC separation of sesquiterpenic acids and their determination in *Valeriana officinalis* L. roots and extracts // *Chromatography Research International.* – 2012. – Vol. 2012. – Article iD 564243. – doi: 10/1155/2012/564243.
21. Kulikov A.U., Chernyshova O.S. An assay of selenium in hair with use of micellar liquid chromatography // *Методы и объекты химического анализа.* – 2012. - Т. 3, № 3. – С. 126-131.
22. Boichenko A.P., Loginova L.P., Kulikov A.U. Optimization of separation in micellar liquid chromatography // *Научное наследие Н.П. Комаря и современные проблемы химической метрологии / под редакцией Догиновой Л.П.* – Х: ХНУ имени В.Н. Каразина, 2012. – С. 333-374.
23. Melnikov A.U., Boichenko A.P., Kulikov A.U., Galat M.N. Unsupervised classification of chromatographic columns in micellar and conventional reversed-phase high-performance liquid chromatography // *J. Liq. Chromat. Relat. Technol.* - 2014. – Vol. 37.. – P.1016-1031