



ПРИБОРЫ | МЕТОДИКИ | СЕРВИС



ГРУППА КОМПАНИЙ
АНАЛИТИЧЕСКОГО ПРИБОРОСТРОЕНИЯ

СИСТЕМА КАПИЛЛЯРНОГО ЭЛЕКТРОФОРЕЗА «КАПЕЛЬ®»

Публикации на иностранных языках. 2000–2017

2017

1. Cerniřev S. **Analysis of lignin-derived phenolic compounds and their transformations in aged wine distillates** // Food Control. – 2017. – V. 73. – Part. B. – P. 281–290. doi:10.1016/j.food-cont.2016.08.015
2. Ermolenko Y., Anshakova A., Osipova N., Kamentsev M., Maksimenko O., Balabanyan V., Gelperina S. **Simultaneous determination of rifabutin and human serum albumin in pharmaceutical formulations by capillary electrophoresis** // Journal of Pharmacological and Toxicological Methods. – 2017. – V. 85. – P. 55–60. doi:10.1016/j.vascn.2017.01.003
3. Foteeva L. S., Matczuk M., Pawlak K., Aleksenko S. S., Nosenko S. V., Karandashev V. K., Jarosz M., Timerbaev A. R. **Combination of ICP-MS, capillary electrophoresis, and their hyphenation for probing Ru (III) metallodrug–DNA interactions** // Analytical and Bioanalytical Chemistry. – 2017. – V. 409. – № 9. – P. 2421–2427. doi:10.1007/s00216-017-0186-0
4. Kratii E., Nikonorov V., Nikitina T. **Optimization of capillary electrophoresis method for the determination of rare earth elements in soils and natural waters** // Microchemical Journal. – 2017. – V. 130. – P. 198–204. doi:10.1016/j.microc.2016.09.008
5. Luan F., Tang L. L., Chen X. X., Liu H. T. **Simultaneous determination of daidzein, genistein and formononetin in coffee by capillary zone electrophoresis** // Separations. – 2017. – V. 4. – № 1. doi:10.3390/separations4010001
6. Malinovskaya J., Melnikov P., Baklaushev V., Gabashvili A., Osipova N., Mantrov S., Ermolenko Yu., Maksimenko O., Gorshkova M., Balabanyan V., Kreuter J., Gelperina S. **Delivery of doxorubicin-loaded PLGA nanoparticles into U87 human glioblastoma cells** // International Journal of Pharmaceutics. – 2017. – V. 524. – № 1–2. – P. 77–90. doi:10.1016/j.ijpharm.2017.03.049
7. Nugbienyo L., Malinina Y., Garmonov S., Kamencev M., Salahov I., Andruch V., Moskvina L., Bulatov A. **Automated sugaring-out liquid-liquid extraction based on flow system coupled with HPLC-UV for the determination of procainamide in urine** // Talanta. – 2017. – V. 167. – P. 709–713. doi:10.1016/j.talanta.2017.02.051
8. Nosova Y. N., Foteeva L. S., Zenin I. V., Fetisov T. I., Kirsanov K. I., Yakubovskaya M. G., Antonenko T. A., Tafeenko V. A., Aslanov L. A., Lobas A. A., Gorshkov M. V., Galanski M., Keppler B. K., Timerbaev A. R., Milaeva E. R., Nazarov A. A. **Enhancing the cytotoxic activity of anticancer Pt (IV) complexes by introduction of Ionidamine as an axial ligand** // European Journal of Inorganic Chemistry. – 2017. – V. 2017. – № 12. – P. 1785–1791. doi:10.1002/ejic.201600857
9. Nováková Z., Pejchal V., Fischer J., Česla P. **Chiral separation of benzothiazole derivatives of amino acids using capillary zone electrophoresis** // Journal of Separation Science. – 2016. – (Early View Article). doi:10.1002/jssc.201600689
10. Xu J., Niu M., Xiao Y. **Hexafluoroisopropanol-induced cationic-surfactants-based coacervate extraction for analysis of lysozyme** // Analytical and Bioanalytical Chemistry. – 2017. – V. 409. – № 5. – P. 1281–1289. doi:10.1007/s00216-016-0054-3

2016

1. Afiatulloev E. K., Chapko T. A., Speshilova A. I., Babushkina A. S., Ryzhova T. L. **Use of capillary electrophoresis for analytical control of phthalate and acetate ions in the circulated water in the synthesis of lead(II) nickel(II) phthalate** // Russian Journal of General Chemistry. – 2016. – V. 86. – № 6. – P. 1484–1485. doi:10.1134/S1070363216060426

2. Azarin K. V., Alabushev A. V., Usatov A. V., Kostylev P. I., Kolokolova N. S., Usatova O. A. **Effects of salt stress on ion balance at vegetative stage in rice (*Oryza sativa* L.)** // OnLine Journal of Biological Sciences. – 2016. – V. 16. – № 1. – P. 76–81. doi:10.3844/ojbsci.2016.76.81
3. Ba D., Wang D., Liu K., Hao M., Du G., Ba Y., Zhu T. Wu Z. **Nanofluidic chips for bio-molecules manipulation controlled by back electrodes enclosed with glass and polydimethylsiloxane** // Journal of Computational and Theoretical Nanoscience. – 2016. – V. 13. – № 4. – P. 2237–2244. doi:10.1166/jctn.2016.4567
4. Bagheri H., Fakhari A. R., Sahragard A. **A novel strategy based on surfactant assisted electro-membrane extraction for the determination of dicamba and 2,4-DB as model herbicides in real water samples** // RSC Advances. – 2016. – V. 6. – № 6. – P. 4843–4849. doi:10.1039/C5RA23498K
5. Barciszewska M., Sucha A., Bałabańska S., Chmielewski M. K. **Gel electrophoresis in a polyvinylalcohol coated fused silica capillary for purity assessment of modified and secondary-structured oligo- and polyribonucleotides** // Scientific Reports. – 2016. – V. 6. – Article ID 19437. doi:10.1038/srep19437
6. Bessonova E. A., Kartsova L. A., Gallyamova V. F. **Effect of 3-methyl-1-cetylimidazolium chloride ionic liquid on the electrophoretic preconcentration of steroid hormones** // Journal of Analytical Chemistry. – 2016. – V. 71. – № 7. – P. 696–702. doi:10.1134/S1061934816070042
7. Bol'shakov D. S., Amelin V. G., Nikeshina T. B. **Identification and determination of antibacterial substances in drugs by capillary electrophoresis** // Journal of Analytical Chemistry. – 2016. – V. 71. – № 1. – P. 94–101. doi:10.1134/S1061934815110039
8. Bondarenko E. A., Il'ina Kh. V., Andrianova M. Ju., Chusov A. N. **Main inorganic ions and electric conductivity of polluted urban streams** // Magazine of Civil Engineering. – 2016. – № 8. – P. 37–44. doi:10.5862/MCE.68.4
9. Bystrianský M., Nir O., Šír M., Honzajková Z., Vurm R., Hrychová P., Bervic A., van der Bruggen B. **The presence of ferric iron promotes calcium sulphate scaling in reverse osmosis processes** // Desalination. – 2016. – V. 393. – P. 115–119. doi:10.1016/j.desal.2016.03.003
10. Gerasimenko E. O., Butina E. A., Kharchenko S. A., Achmiz E. P., Vorontsova O. S. **Prospects of the "green" technologies of the complex processing of sunflower seeds** // Research Journal of Pharmaceutical, Biological and Chemical Sciences. – 2016. – V. 7. – № 2. – P. 609–623. URL [http://www.rjpbcs.com/pdf/2016_7\(2\)/\[86\].pdf](http://www.rjpbcs.com/pdf/2016_7(2)/[86].pdf)
11. Gorbunova N., Evteev A., Evdokimov I., Bannikova A. **Kinetics of ascorbic acid transport from alginate beads during in vitro digestion** // Journal of Food & Nutrition Research. – 2016. – V. 55. – № 2. – P. 148–158. URL <http://www.vup.sk/en/index.php?mainID=2&navID=14>
12. Huang D., Zhang L. **Determination of dissociation constants of coumarins by capillary zone electrophoresis** // Analysis and Testing Technology and Instruments. – 2016. – V. 22. – № 1. – P. 9–14. doi:10.16495/j.1006-3757.2016.01.002
13. Huang L., Chen Y. T., Li Y. X., Yu L. S. **Application of chiral ionic liquid-modified gold nanoparticles in the chiral recognition of amino acid enantiomers** // Applied Spectroscopy. – 2016. – V. 70. – № 10. – P. 1649–1654. doi:10.1177/0003702816645353
14. Iztaev A., Tarabaev B., Abzhanova Sh., Iztayev B., Asangalyeva Zh. **Influence of the ion-ozone cavitations processing on the amino acid structure of wheat grain** // Biology and Medicine (Aligarh). – 2016. – V. 8. – № 1. – Paper BM-161-16.
15. Kamanin S. S., Arlyapov V. A., Alferov V. A., Reshetilov A. N. **Enzyme-modified screen-printed electrodes for assaying glucose** // Fermentation Technology. – 2016. – V. 5. – № 1. – Article ID 1000128. doi:10.4172/2167-7972.1000128
16. Kamencev M., Komarova N., Morozova O. **Enantioseparation of tartaric and malic acids in wines by ligand exchange capillary electrophoresis using uncoated fused silica capillary** // Chromatographia. – 2016. – V. 79. – № 13. – P. 927–931. doi:10.1007/s10337-016-3099-8
17. Kamentsev M. Y., Moskvina L. N., Malinina Y., Yakimova N. M., Kuchumova I. D. **Determination of alkylamines in aqueous media by capillary electrophoresis** // Journal of Analytical Chemistry. – 2016. – V. 71. – № 9. – P. 912–916. doi:10.1134/S1061934816090100

18. Kamencev M., Yakimova N., Moskvina L., Kuchumova I., Tkach K., Malinina Y. **Fast isotopic separation of ^{10}B and ^{11}B boric acid by capillary zone electrophoresis** // *Electrophoresis*. – 2016. – V. 37. – № 22. – P. 3017–3019. doi:10.1002/elps.201600265
19. Khalilova E. A., Kotenko S. T., Islammagomedova E. A., Aliverdieva D. A. **Comparative analysis of fatty acid composition in some *Saccharomyces cerevisiae* strains** // *British Microbiology Research Journal*. – 2016. – V. 15. – № 2. – P. 1–6. doi:10.9734/BMRJ/2016/26729
20. Kozlova O. **Analysis of the composition and properties of structure stabilizers for products based on dairy raw materials** // *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. – 2016. – V. 7. – № 5. – P. 3051–3057.
21. Krasina I. B., Tarasenko N. A. **Features of a chemical composition of dry leaves of *Stevia vebaudiana*** // *Oriental Journal of Chemistry*. – 2016. – V. 32. – № 2. – P. 1171–1180. URL http://www.orientjchem.org/pdf/vol32no2/OJC_Vol32_No2_p_1171-1180.pdf
22. Kuraeva Y. G., Kamenskaya A. I., Vasil'eva M. V., Stupnikov A. A., Onuchak L. A. **Capabilities of capillary electrophoresis for the determination of atenolol and bisoprolol** // *Journal of Analytical Chemistry*. – 2016. – V. 71. – № 4. – P. 396–401. doi:10.1134/S1061934816020076
23. Ma T., Li Z., Jia Q., Zhou W. **Ultrasound-assisted temperature-controlled ionic liquid emulsification microextraction coupled with capillary electrophoresis for the determination of parabens in personal care products** // *Electrophoresis*. – 2016. – V. 37. – № 12. – P. 1624–1631. doi:10.1002/elps.201500533
24. Man Y., Shu M., Wang D., Luan F., Liu H., Gao Y. **Determination of 6-benzylaminopurine in bean sprouts by capillary electrophoresis compared with HPLC** // *Food Analytical Methods*. – 2016. – V. 9. – № 11. – P. 3025–3031. doi:10.1007/s12161-016-0496-4
25. Markina M., Lebedeva E., Neudachina L., Stozhko N., Brainina K. **Determination of antioxidants in human skin by capillary zone electrophoresis and potentiometry** // *Analytical Letters*. – 2016. – V. 49. – № 12. – P. 1804–1815. doi:10.1080/00032719.2015.1124111
26. Masiutin I. A., Novikov A. A., Litvin A. A., Kopitsyn D. S., Beskorovaynaya D. A., Ivanov E. V. **The synthesis of 5-hydroxymethylfurfural from carbohydrates and lignocellulose using an *N,N*-dimethylacetamide–LiCl solvent system** // *Starch – Stärke*. – 2016. – V. 68. – № 7–8. – P. 637–643. doi:10.1002/star.201500165
27. Minich A. S., Minich I. B., Chursina N. L., Ivanitckiy A. E., Butsenko E. S., Rozhdestvenskiy E. A. **Morphogenesis and productivity of *Cucumis sativus* L. hybrids under the thermic polyethylene films modified by coating of metals by magnetron sputtering** // *Horticultural Science*. – 2016. – V. 43. – № 2. – P. 59–66. doi:10.17221/93/2015-HORTSCI
28. Myagkaya I. N., Lazareva E. V., Gustaytis M. A., Zhmodik S. M. **Gold and silver in a system of sulfide tailings. Part 1: migration in water flow** // *Journal of Geochemical Exploration*. – 2016. – V. 160. – P. 16–30. doi:10.1016/j.gexplo.2015.10.004
29. Nikonorov V. V., Nikitina T. G. **Capillary electrophoretic determination of silicon in plants** // *Microchemical Journal*. – 2016. – V. 127. – P. 7–10. doi:10.1016/j.microc.2016.01.020
30. Nosova Y. N., Foteeva L. S., Zenin I. V., Fetisov T. I., Kirsanov K. I., Yakubovskaya M. G., Popovicheva O. B., Engling G., Diapouli E., Saraga D., Persiantseva N. M., Timofeev M. A., Kireeva E. D., Shonija N. K., Chen S.-H., Nguyen D. L., Eleftheriadis K., Lee C.-T. **Impact of smoke intensity on size-resolved aerosol composition and microstructure during the biomass burning season in Northwest Vietnam** // *Aerosol Air Qual. Res.* – 2016. – V. 16. – P. 2635–2654. doi:10.4209/aaqr.2015.07.0463
31. Senchenko S. P., Nasukhova N. M., Agova L. A., Konovalov D. A. **Use of micellar electrokinetic chromatography to analyze sesquiterpene lactones from *Laurus nobilis* L** // *Pharmaceutical Chemistry Journal*. – 2016. – V. 50. – № 5. – P. 320–322. doi:10.1007/s11094-016-1444-8
32. Shelepina N. V., Zelenov A. N., Bolshakova L. S. **Amino acid composition and biological value of protein of new pea morphotypes** // *Indian Journal of Science and Technology*. – 2016. – V. 9. – № 5. doi:10.17485/ijst/2016/v9i5/87612
33. Shu M., Man Y., Ma H., Luan F., Liu H., Gao Y. **Determination of vanillin in milk powder by capillary electrophoresis combined with dispersive**

- liquid-liquid microextraction** // Food Analytical Methods. – 2016. – V. 9. – № 6. – P. 1706–1712. doi:10.1007/s12161-015-0347-8
34. Sizova E. A., Miroshnikov S. A., Lebedev S. V., Kudasheva A. V., Ryabov N. I. **To the development of innovative mineral additives based on alloy of Fe and Co antagonists as an example** // Agricultural Biology. – 2016. – V. 51. – № 4. – P. 553–562. doi:10.15389/agrobiol.2016.4.553eng
35. Smoleń S., Skoczylas Ł., Ledwożyw-Smoleń I., Rakoczy R., Kopeć A., Piątkowska E., Bieżanowska-Kopeć R., Pysz M., Koronowicz A., Kapusta-Duch J., Pawłowski T. **Iodine and selenium biofortification of lettuce (*Lactuca sativa* L.) by soil fertilization with various compounds of these elements** // Acta Scientiarum Polonorum. Hortorum Cultus. – 2016. – V. 15. – № 5. – P. 69–91. URL <http://www.acta.media.pl/pl/main.php?s=7&no=565&p=21&id=5006&lang=pl>
36. Tascón M., Benavente F., Vizioli N. M., Gagliardi L. G. **A rapid and simple method for the determination of psychoactive alkaloids by CE-UV: application to *Peganum Harmala* seed infusions** // Drug Testing and Analysis. – 2016. (Early view publication). doi:10.1002/dta.1989
37. Tascon M., Benavente F., Castells C. B., Gagliardi L. G. **Quality criterion to optimize separations in capillary electrophoresis: Application to the analysis of harmala alkaloids** // Journal of Chromatography A. – 2016. – V. 1460. – P. 190–196. doi:10.1016/j.chroma.2016.07.032
38. Tsybiktarova L. P., Nikolaeva I. G., Nikolaeva G. G. **Determination of vitamins B complex in *Serratula centauroides* L.** // World Journal of Pharmaceutical Research. – 2016. – V. 5. – № 4. – P. 261–265. doi:10.20959/wjpr20164-5937
39. Usatov A. V., Alabushev A. V., Kostylev P. I., Azarin K. V., Makarenko M. S., Usatova O. A. **Introgression the SalTol QTL into the elite rice variety of Russia by marker-assisted selection** // American Journal of Agricultural and Biological Sciences. – 2016. – V. 10. – № 4. – P. 165–169. doi:10.3844/ajabssp.2015.165.169
40. Wang D., Man R., Shu M., Liu H., Gao Y., Luan F. **Detection of sibutramine and phenolphthalein in functional foods using capillary electrophoresis** // Analytical Methods. – 2016. – V. 8. – № 3. – P. 621–626. doi:10.1039/C5AY02973B
41. Yaroshenko I., Kirsanov D., Kartsova L., Sidorova A., Sun Q., Wan H., He Y., Wang P., Legin A. **Exploring bitterness of traditional Chinese medicine samples by potentiometric electronic tongue and by capillary electrophoresis and liquid chromatography coupled to UV detection** // Talanta. – 2016. – V. 152. – P. 105–111. doi:10.1016/j.talanta.2016.01.058
42. Гунчак Р. В., Седіло Г. М., Вовк С. О. **Вміст йоду в ґрунтах та зерні злаків у зоні Полісся Волині** // Науковий вісник Львівського національного університету ветеринарної медицини та біотехнологій ім. С. З. Гжицького. Серія: Сільськогосподарські науки. – 2016. – Т. 18. – № 2. – С. 77–80.
43. Карпутіна М. В., Харгелія Д. Д. **Нешкідливі технології у виробництві безалкогольних напоїв з натуральної рослинної сировини** // Наукові праці Національного університету харчових технологій. – 2016. – Т. 22. – № 6. – С. 220–227.
44. Паска М. З., Маслійчук О. Б. **Мінеральний склад м'ясних посічених напівфабрикатів з додаванням люпинового борошна та дивосилу** // Науковий вісник Львівського національного університету ветеринарної медицини та біотехнологій ім. С. З. Гжицького. – 2016. – Т. 18. – № 1 (65), ч. 4. – С. 102–107.
45. Ривак Р. О., Мерзлов С. В. **Вивчення макроелементного складу прісноводної водорості *Letna minor* і його динаміка за біотехнології коригування поживного середовища за йодом** // Технологія виробництва і переробки продукції тваринництва. – 2016. – № 1. – С. 27–32.

2015

1. Chen X., Ni X., Zhang J., Liu Y., Cao Y. **On-line pre-concentration for sensitive analysis of PAHs in cosmetics by reversed microemulsion electrokinetic chromatography** // Chinese Journal of Analytical Chemistry. – 2015. – V. 43. – № 1. – P. 81–86. (In Chinese). doi:10.11895/j.issn.0253-3820.140841
2. Dzherayan T. G., Vanifatova N. G., Fadeeva I. V., Dzhendloda R. K., Burmistrov A. A., Rudnev A. V., Fomin A. S. **A capillary zone electrophoresis study of the effect of precursors and ultrasonic treatment on the morphology of hydroxyapatite particles** // Journal of Analytical Chemistry. –

2015. – V. 70. – № 5. – P. 608–614. doi:10.1134/S1061934815050032
3. Fakhari A. R., Hasheminasab K. S., Aladaghlo Z., Koruni M. H. **Surfactant-assisted electromembrane extraction combined with capillary electrophoresis as a novel technique for the determination of acidic drugs in biological fluids** // *Electrophoresis*. – 2015. – V. 36. – № 24. – P. 3034–3041. doi:10.1002/elps.201500268
 4. Falkova M. T., Bulatov A. V., Pushina M. O., Ekimov A. A., Alekseeva G. M., Moskvina L. N. **Multicommutated stepwise injection determination of ascorbic acid in medicinal plants and food samples by capillary zone electrophoresis ultraviolet detection** // *Talanta*. – 2015. – V. 133. – P. 82–87. doi:10.1016/j.talanta.2014.04.092
 5. Fang F., Zhang N., Liu K., Wu Z. Y. **Hydrodynamic and electrodynamic flow mixing in a novel total glass chip mixer with streamline herringbone pattern** // *Microfluidics and Nanofluidics*. – 2015. – V. 18. – № 5. – P. 887–895. doi:10.1007/s10404-014-1479-7
 6. Garmaeva L. L., Nikolaeva I. G., Nikolaeva G. G., Tsybiktarova L. P. **Vitamin B Content in *Rhaponiticum uniflorum*** // *Chemistry of Natural Compounds*. – 2015. – V. 51. – № 5. – P. 978–979. doi:10.1007/s10600-015-1468-4
 7. Gomez F. J. V., Hernández I. G., Cerutti S., Silva M. F. **Solid phase extraction/cyclodextrin-modified micellar electrokinetic chromatography for the analysis of melatonin and related indole compounds in plants** // *Microchemical Journal*. – 2015. – V. 123. – P. 22–27. doi:10.1016/j.microc.2015.05.013
 8. Hasheminasab K. S., Fakhari A. R. **Application of nonionic surfactant as a new method for the enhancement of electromembrane extraction performance for determination of basic drugs in biological samples** // *Journal of Chromatography A*. – 2015. – V. 1378. – P. 1–7. doi:10.1016/j.chroma.2014.11.061
 9. Ioutsi A., Shapovalova E., Prokhorova A., Shpigun O. **Layer-by-layer assembly of polysaccharides and 6,10-ionene for separation of nitrogen-containing pharmaceuticals and their enantio-recognition by capillary electrophoresis** // *Journal of Chemistry*. – 2015. – V. 2015. – Article ID 836076. doi:10.1155/2015/836076
 10. Kamanin S. S., Arlyapov V. A., Machulin A. V., Alferov V. A., Reshetilov A. N. **Biosensors based on modified screen-printed enzyme electrodes for monitoring of fermentation processes** // *Russian Journal of Applied Chemistry*. – 2015. – V. 88. – № 3. – P. 463–472. doi:10.1134/S1070427215030167
 11. Kamentsev M. Y., Mamedova S. N., Moskvina L. N., Yakimova N. M. **Determination of chloride and sulfate ions in high-purity water by capillary electrophoresis** // *Journal of Analytical Chemistry*. – 2015. – V. 70. – № 2. – P. 193–197. doi:10.1134/S1061934814120077
 12. Kamencev M., Yakimova N., Moskvina L., Kuchumova I., Tkach K., Malinina Yu., Tungusov O. **Isotopic separation of lithium ions by capillary zone electrophoresis** // *Electrophoresis*. – 2015. – V. 36. – № 24. – P. 3014–3017. doi:10.1002/elps.201500399
 13. Khalilova E. A., Kotenko S. Ts., Islammagomedova E. A., Aliverdieva D. A. **Carboxylic acids of *Saccharomyces cerevisiae* grown in different culture media** // *International Journal of Research Studies in Science, Engineering and Technology*. – 2015. – V. 2. – № 8. – P. 62–70. URL <http://ijrsset.org/pdfs/v2-i8/9.pdf>
 14. Kolobova E. A., Kartsova L. A., Bessonova E. A. **Application of ionic liquids based on imidazole to the electrophoretic determination of amino acids in urine** // *Journal of Analytical Chemistry*. – 2015. – V. 70. – № 11. – P. 1354–1359. doi:10.1134/S1061934815110076
 15. Kushnereva E. V. **Formation of biogenic amines in wine production** // *Applied Biochemistry and Microbiology*. – 2015. – V. 51. – № 1. – P. 108–112. doi:10.1134/S0003683815010081
 16. Ma T., Li Z., Niu Q., Li Y., Zhou W. **Double dispersant-assisted ionic liquid dispersive liquid-liquid microextraction coupled with capillary electrophoresis for the determination of benzophenone-type ultraviolet filters in sunscreen cosmetic product** // *Electrophoresis*. – 2015. – V. 36. – N. 20. – P. 2530–2537. doi:10.1002/elps.201500004
 17. Moskvina L. N., Yakimova N. M. **Determination of trace amounts of Pd(II), Pt(IV), and Ir(IV) chlorocomplexes by capillary electrophoresis with extraction-chromatographic preconcentration**

- tion // Journal of Analytical Chemistry. – 2015. – V. 70. – № 6. – P. 765–769. doi:10.1134/S1061934815060088
18. Moskovskaya I. F., Maerle A. A., Shvydkiy N. V., Romanovsky B. V., Ivanova I. I. **Cobalt pivalate complex as a catalyst for liquid phase oxidation of *n*-hexane** // Russian Journal of Physical Chemistry A. – 2015. – V. 89. – № 9. – P. 1519–1522. doi:10.1134/S0036024415090241
 19. Naiden S. V., Kartsova L. A., Emel'yanov G. A. **A new fluorinated polymer as a modifier for liquid chromatography and capillary electrophoresis** // Journal of Analytical Chemistry. – 2015. – V. 70. – № 6. – P. 752–756. doi:10.1134/S106193481506009X
 20. Ostroushko A. A., Danilova I. G., Gette I. F., Tonkushina M. O. **Behavior of associates of keplerate-type porous spherical Mo₇₂Fe₃₀ clusters with metal cations in electric field-driven ion transport** // Russian Journal of Inorganic Chemistry. – 2015. – V. 60. – № 4. – P. 500–504. doi:10.1134/S003602361504018X
 21. Pakhomova O. A., Mokshina N. Ya., Minakov D. A. **The analysis of the aromatic amino acids interaction with poly-*N*-vinylpyrrolidone using UV and IR spectroscopy** // Indian Journal of Science and Technology. – 2015. – V. 8. – № s10. doi:10.17485/ijst/2015/v8iS10/84882
 22. Popovicheva O. B., Kireeva E. D., Shonija N. K., Vojtisek-Lom M., Schwarz J. **FTIR analysis of surface functionalities on particulate matter produced by off-road diesel engines operating on diesel and biofuel** // Environmental Science and Pollution Research. – 2015. – V. 22. – № 6. – P. 4534–4544. doi:10.1007/s11356-014-3688-8
 23. Qi H., Wang L., Luan F., Liu H. **Determination of cosmetics niacin and niacinamide capillary electrophoresis** // Journal of Yantai University (Natural Science and Engineering Edition). – 2015. – V. 28. – № 2. – P. 146–149. (*In Chinese*). doi:10.13951/j.cnki.37-1213/n.2015.02.013
 24. Revin V. V., Gromova N. V., Revina E. S., Mel'nikova N. A., Balykova L. A., Solomadin I. N., Tychkov A. Yu., Revina N. V., Gromova O. Yu., Anashkina I. V., Yakushkin V. A. **Study of the structure, oxygen-transporting functions, and ionic composition of erythrocytes at vascular diseases** // BioMed Research International. – 2015. – V. 2015. – Paper ID 973973. doi:10.1155/2015/973973
 25. Šír M., Honzajková Z. **Treatment of municipal landfill leachate by the process of reverse osmosis and evaporation** // Fresenius Environmental Bulletin. – 2015. – V. 24. – № 6a. – P. 2245–2250.
 26. Sizova E., Yausheva E., Kosyan D., Miroshnikov S. **Growth enhancement by intramuscular injection of elemental iron nano-and microparticles** // Modern Applied Science. – 2015. – V. 9. – № 10. – P. 17–26. doi:10.5539/mas.v9n10p17
 27. Strus O. Ye. **The study of amino acid composition of sapropel by the capillary electrophoresis method** // News of Pharmacy (Kharkiv). – 2015. – № 2 (82). – P. 12–16. URL http://nbuv.gov.ua/UJRN/VPhC_2015_2_5
 28. Subbotina M. A., Dolgolyuk I. V. **Study of composition and biological value of pinon kernel of Siberian pine** // Foods and Raw materials. – 2015. – V. 3. – № 1. – P. 56–61. doi:10.12737/11238
 29. Tabani H., Khodaei K., Bide Y., Zare F. D., Mirzaei S., Fakhari A. R. **Application of pH-sensitive magnetic nanoparticles microgel as a sorbent for the preconcentration of phenoxy acid herbicides in water samples** // Journal of Chromatography A. – 2015. – V. 1407. – P. 21–29. doi:10.1016/j.chroma.2015.06.057
 30. Tabani H., Mahyari M., Sahragard A., Fakhari A. R., Shaabani A. **Evaluation of sulfated maltodextrin as a novel anionic chiral selector for the enantioseparation of basic chiral drugs by capillary electrophoresis** // Electrophoresis. – 2015. – V. 36. – № 2. – P. 305–311. doi:10.1002/elps.201400370
 31. Timofeeva I., Khubaibullin I., Kamencev M., Moskvina A., Bulatov A. **Automated procedure for determination of ammonia in concrete with headspace single-drop micro-extraction by stepwise injection spectrophotometric analysis** // Talanta. – 2015. – V. 133. – P. 34–37. doi:10.1016/j.talanta.2014.04.081
 32. Trineeva O. V., Safonova E. F., Sinkevich A. V., Slivkin A. I. **Assay of amino acids in medicinal plants by TLC (using stinging nettle leaves and common sea buckthorn fruits as examples)** // Pharmaceutical Chemistry Journal. – 2015. – V.

49. – № 5. – P. 323–328. doi:10.1007/s11094-015-1278-9
33. Vakh C., Freze E., Pochivalov A., Evdokimova E., Kamencev M., Moskvina L., Bulatov A. **Simultaneous determination of iron(II) and ascorbic acid in pharmaceuticals based on flow sandwich technique** // Journal of Pharmacological and Toxicological Methods. – 2015. – V. 73. – P. 56–62. doi:10.1016/j.vascn.2015.03.006
34. Wang H., Feng W., Jia Q. **A graphene oxide functionalized with 3-aminophenylboronic acid for the selective enrichment of nucleosides, and their separation by capillary electrophoresis** // Microchimica Acta. – 2015. – V. 182. – N. 1. – P. 185–192. doi:10.1007/s00604-014-1316-4
35. Wu Y., Zhang W., Chen Y., Chen Z. **Electroosmotic pump-supported molecularly imprinted monolithic column for capillary chromatographic separation of nitrophenol isomers** // Electrophoresis. – 2015. – V. 36. – № 23. – P. 2881–2887. doi:10.1002/elps.201500085
36. Xu L., Luan F., Liu H., Gao Y. **Dispersive liquid-liquid microextraction combined with non-aqueous capillary electrophoresis for the determination of imazalil, prochloraz and thiabendazole in apples, cherry tomatoes and grape juice** // Journal of the Science of Food and Agriculture. – 2015. – V. 95. – № 4. – P. 745–751. doi:10.1002/jsfa.6834
37. Yaroshenko I., Kirsanov D., Kartsova L., Sidorova A., Borisova I., Legin A. **Determination of urine ionic composition with potentiometric multisensor system** // Talanta. – 2015. – V. 131. – P. 556–561. doi:10.1016/j.talanta.2014.08.030
38. Zhang H., Chen J., Zhou S. **Preparation of open tubular capillary electrochromatography column with nano-chitosan coating and its application for basic proteins analyzing** // Chemical Journal of Chinese Universities. – 2015. – V. 36. – № 4. – P. 631–637. (In Chinese). doi:10.7503/cjcu20140978
39. Zhdanov A. A., Shuvaeva O. V. **A study of complex phosphovanadomolybdates $[PV_xMo_{12-x}O_{40}]^{-(3+x)}$ by reversed-phase HPLC and capillary zone electrophoresis** // Journal of Analytical Chemistry. – 2015. – V. 70. – № 6. – P. 757–764. doi:10.1134/S1061934815060192
40. Zhou S., Chen J., Jian Y., Hong Y. **Preparation of capillary column modified with graphene oxide and its application in hypoglycemic agents analyzing** // Strait Pharmaceutical Journal. – 2015. – V. 27. – № 10. – P. 29–34. (In Chinese). doi:10.3969/j.issn.1006-3765.2015.10.013
41. Zhou S., Zhang H., Chen J., Jian Y. **Analysis of amines by open tubular capillary electrochromatography column modified with nano-chitosan particles** // Journal of the Fujian Medical University. – 2015. – V. 49. – № 6. – P. 343–348. (In Chinese).
42. Zhuravko A. S., Kononova N. V., Bobruskin A. I. **Features of the solubilization of interferon beta-1B from inclusion bodies** // Russian Journal of Bioorganic Chemistry. – 2015. – V. 41. – № 4. – P. 357–363. doi:10.1134/S1068162015040159
43. Zykova I. V., Isakov V. A., Panov V. P. **Stability of complex compounds of metals with the major organic components of sludges in biological treatment of wastewaters from different plants, including synthetic fiber plants** // Fibre Chemistry. – 2015. – V. 47. – № 3. – P. 215–219. doi:10.1007/s10692-015-9668-z
44. Величко В. О., Мерзлов С. В., Ривак Р. О. **Динаміка амінокислотного складу прісноводної водорості *Lemna minor*, за внесення в поживне середовище різних доз йоду** // Науково-технічний бюлетень Інституту біології тварин і Державного науково-дослідного контрольного інституту ветпрепаратів та кормових добавок. – 2015. – Вип. 16. – № 1. – С. 27–32.
45. Карпутіна М. В., Прибильський В. Л., Григоренко Н. О., Мельник І. В. **Нове у технології безалкогольного напою, отриманого з використанням культури *Medusomyces gisevii*** // Наукові праці ОНАХТ. – 2015. – Вип. 46. – Т. 2. – С. 86–91.
46. Коцюмбас І. Я., Кушнір В. І., Кушнір Г. В., Левицький Т. Р., Ривак Г. П., Коваленко О. В., Курилас Л. В. **Визначення вмісту вітамінів групи В у біологічно активному засобі на основі пептидоглікану методом капілярного електрофорезу** // Науковий вісник Львівського національного університету ветеринарної медицини та біотехнологій ім. С. З. Ґжицького. – 2015. – Т. 17. – № 1(2). – С. 73–77.
47. Коцюмбас І. Я., Левицький Т. Р., Ривак Г. П. **Контроль вмісту метіоніну гідроксианалогу**

в кормових добавках методом капілярного електрофорезу // Науково-технічний бюлетень Державного науково-дослідного контрольного інституту ветеринарних препаратів та кормових добавок і Інституту біології тварин. – 2015. – Вип. 16, № 2. – С. 91–97.

48. Машкін Ю. О., Мерзлов С. В. **Вермикюльтивування – альтернативний спосіб одержання білково-мінеральної кормової добавки** // Технологія виробництва і переробки продукції тваринництва. – 2015. – № 2. – С. 132–135.
49. Ривак Г. П. **Розрахунок невизначеності методу капілярного електрофорезу при визначенні вмісту холін хлориду в кормових добавках і преміксах** // Науково-технічний бюлетень Інституту біології тварин і Державного науково-дослідного контрольного інституту ветпрепаратів та кормових добавок. – 2015. – Вип. 16. – № 1. – С. 41–47.

2014

1. Alimardanova M. K., Kulazhanov T. K., Plockova M., Zhexenbay N. **Amino acids profile of Kazakh national soft cheese made of goat's, cow's milk and their mixture** // Research Journal of Pharmaceutical, Biological and Chemical Sciences. – 2014. – V. 5. – № 5. – P. 1806–1810. URL [http://www.rjpbcs.com/pdf/2014_5\(5\)/\[281\].pdf](http://www.rjpbcs.com/pdf/2014_5(5)/[281].pdf)
2. Altunina L. K., Fufaeva M. S., Filatov D. A., Svarovskaya L. I., Rozhdestvenskii E. A., Gan-Erdene T. **Effect of cryogel on soil properties** // Eurasian Soil Science. – 2014. – V. 47. – № 5. – P. 425–431. doi:10.1134/S1064229314010025
3. Baharifar H., Fakhari A. R., Ziyadi H., Ali Oghabian M. A., Amani A., Faridi-Majidi R. **Influence of polymeric coating on capillary electrophoresis of iron oxide nanoparticles** // Journal of the Iranian Chemical Society. – 2014. – V. 11. – № 1. – P. 279–284. doi:10.1007/s13738-013-0298-1
4. Boiteux J., Soto Vargas C., Pizzuolo P., Lucero G., Silva M. F. **Phenolic characterization and antimicrobial activity of folk medicinal plant extracts for their applications in olive production** // Electrophoresis. – 2014. – V. 35. – № 11. – P. 1709–1718. doi:10.1002/elps.201300562
5. Bol'shakov D. S., Amelin V. G., Tret'yakov A. V. **Determination of herbicides and their metabolites in natural waters by capillary zone electrophoresis combined with dispersive liquid-liquid microextraction and on-line preconcentration** // Journal of Analytical Chemistry. – 2014. – V. 69. – № 1. – P. 72–82. doi:10.1134/S106193481311004X
6. Bol'shakov D. S., Amelin V. G., Tret'yakov A. V. **Determination of polar pesticides in soil by micellar electrokinetic chromatography using QuEChERS sample preparation** // Journal of Analytical Chemistry. – 2014. – V. 69. – N. 1. – P. 89–97. doi:10.1134/S1061934814010055
7. Burykin I. V., Andreev Yu. A., Varnavskaya A. A. **Electrophoretic and gas-chromatographic analysis of an Afobazol pharmaceutical preparation** // Journal of Analytical Chemistry. – 2014. – V. 69. – № 10. – P. 1017–1021. doi:10.1134/S1061934814100037
8. Huang L. **Detection of Sudan dyes in chili powders by nonaqueous capillary electrophoresis** // Journal of Jingtangshan University (Natural Science). – 2014. – V. 35. – № 2. – P. 23–26. (In Chinese). doi:10.3969/j.issn.1674-8085.2014.02.005
9. Huang L., Yu L., Chen Y. **Application of 1-ethyl-3-methyl imidazole L-lactate as the chiral ligand for the enantioseparation of amino acids** // Chinese Journal of Chromatography. – 2014. – V. 32. – № 11. – P. 1225–1229. (In Chinese). doi:10.3724/SP.J.1123.2014.06040
10. Jiang Y., Zhang L., Zhou L. **Determination of piroxicam content with capillary electrophoresis** // Journal of Zhejiang Sci-Tech University (Natural Sciences). – 2014. – V. 31. – № 6. – P. 750–752. (In Chinese).
11. Khormali A., Petrakov D. **Scale inhibition and its effects on the demulsification and corrosion inhibition** // International Journal of Petroleum and Geoscience Engineering. – 2014. – V. 2. – № 1. – P. 22–33. URL <http://www.aropub.org/wp-content/uploads/2014/04/AROPUB-IJPGE-14-4.pdf>
12. Khormali A., Petrakov D., Shcherbakov G. **Experimental study of scale inhibitors for prevention of calcium carbonate deposition in synthetic formation water** // International Journal of Material Science Innovations. – 2014. – V. 2. – № 2. – P. 18–28. URL <http://www.aropub.org/wp-content/uploads/2014/05/AROPUB-IJMSI-14-29.htm>

13. Komissarchik S., Nyanikova G. **Test systems and a method for express detection of synthetic food dyes in drinks** // LWT – Food Science and Technology. – 2014. – V. 58. – № 2. – P. 315–320. doi:10.1016/j.lwt.2014.03.038
14. Kosova D. A., Emelina A. L., Bykov M. A. **Phase transitions of some sulfur-containing ammonium salts** // Thermochimica Acta. – 2014. – V. 595. – P. 61–66. doi:10.1016/j.tca.2014.08.035
15. Lebedeva M. V., Prokhorova A. F., Shapovalova E. N., Shpigun O. A. **Clarithromycin as a chiral selector for enantioseparation of basic compounds in nonaqueous capillary electrophoresis** // Electrophoresis. – 2014. – V. 35. – № 19. – P. 2759–2764. doi:10.1002/elps.201400135
16. Li K., Bai Y., Zhou W., Zhang Y., Pang J., Gao W. **Determination of characteristic proteins in plant protein foods by high performance capillary electrophoresis** // Food Science. – 2014. – V. 35. – № 12. – P. 124–127. (*In Chinese*). doi:10.7506/spkx1002-6630-201412024
17. Lykhin A. O., Novikova G. V., Kuzubov A. A., Staloverova N. A., Sarmatova N. I., Varganov S. A., Krasnov P. O. **A complex of ceftriaxone with Pb(II): synthesis, characterization, and antibacterial activity study** // Journal of Coordination Chemistry. – 2014. – V. 67. – № 16. – P. 2783–2794. doi:10.1080/00958972.2014.938065
18. Ma H., Wang L., Liu H., Luan F., Gao Y. **Application of a non-aqueous capillary electrophoresis method to the analysis of triclosan in personal care products** // Analytical Methods. – 2014. – V. 6. – № 13. – P. 4723–4728. doi:10.1039/C4AY00481G
19. Matczuk M., Foteeva L. S., Jarosz M., Galanski M., Keppler B. K., Hirokawa T., Timerbaev A. R. **Can neutral analytes be concentrated by transient isotachopheresis in micellar electrokinetic chromatography and how much?** // Journal of Chromatography A. – 2014. – V. 1345. – P. 212–218. doi:10.1016/j.chroma.2014.04.022
20. Nojavan S., Pourmoslemi S., Behdad H., Fakhari A. R., Mohammadi A. **Application of maltodextrin as chiral selector in capillary electrophoresis for quantification of amlodipine enantiomers in commercial tablets** // Chirality. – 2014. – V. 26. – № 8. – P. 394–399. doi:10.1002/chir.22334
21. Okun V. **CE tells you what's really in your food: capillary electrophoresis has emerged as a powerful tool in the fight against adulterated food and beverage** // Chromatography Techniques On-Line. – 2014. – November 6. URL <http://www.laboratoryequipment.com/article/2014/06/ce-tells-you-whats-really-your-food>
22. Orlova O., Nasonova U. **The unique characteristics of milky-wax ripe walnuts and their usage** // Agronomy Research. – 2014. – V. 12. – № 3. – P. 769–778. URL http://agronomy.emu.ee/vol123/2014_3_9_b5.pdf
23. Popovicheva O. B., Kireeva E. D., Steiner S., Rothen-Rutishauser B., Persiantseva N. M., Timofeev M. A., Shonija N. K., Comte P., Czerwinski J. **Microstructure and chemical composition of diesel and biodiesel particle exhaust** // Aerosol and Air Quality Research. – 2014. – V. 14. – P. 1392–1401. doi:10.4209/aaqr.2013.11.0336
24. Rudnev A. V., Ivanova N. I., Vanifatova N. G., Dzherajan T. G. **The effect of ultrasonic treatment on the stability of a dispersed system of calcium hydroxyapatite in an aqueous solution of Tween 80** // Moscow University Chemistry Bulletin. – 2014. – V. 69. – № 4. – P. 175–179. doi:10.3103/S0027131414040099
25. Shukurov R. R., Lobanova N. V., Savinova I. N., Vorobyova I. G., Nurbakov A. A., Ermolina L. V., Orlova N. V., Mosina A. G., Antonova L. P., Khamitov R. A., Seryogin Yu. A. **Design of a stable cell line producing recombinant darbepoetin alpha based on CHO cells** // Applied Biochemistry and Microbiology. – 2014. – V. 50. – № 9. – P. 812–818. doi:10.1134/S0003683814090063
26. Tabani H., Fakhari A. R., Nojavan S. **Maltodextrins as chiral selectors in CE: molecular structure effect of basic chiral compounds on the enantioseparation** // Chirality. – 2014. – V. 26. – № 10. – P. 620–628. doi:10.1002/chir.22344
27. Tabani H., Fakhari A. R., Shahsavani A. S., Alibabou H. G. **Electrically assisted liquid-phase microextraction combined with capillary electrophoresis for quantification of propranolol enantiomers in human body fluids** // Chirality. – 2014. – V. 26. – № 5. – P. 260–267. doi:10.1002/chir.22308
28. Tong P. **Capillary electrophoresis - indirect UV method for detection of non-derivatized amino acids in *Radix Pseudostell*** // Analysis and Testing

Technology and Instruments. – 2014. – V. 20. – № 4. – P. 197–203. (*In Chinese*).

29. Xu L., Luan F., Wang L., Liu H., Gao Y. **Development of a capillary zone electrophoresis method for determination of mebendazole and levamisole hydrochloride in a combined tablet and a comparison with a LC method** // Journal of AOAC International. – 2014. – V. 97. – № 1. – P. 128–132. doi:10.5740/jaoacint.12-268
30. Zhang P., Ying J., Tian Y. **Selective derivatization and determination of sugar alcohol by CE** // Guangzhou Chemical Industry. – 2014. – V. 42. – № 18. – P. 156–158. (*In Chinese*). doi:10.3969/j.issn.1001-9677.2014.18.058
31. Zheng J., Huang L. **Application of a chiral ionic liquid in the enantioseparation of tryptophan enantiomers by ligand exchange capillary electrophoresis** // Journal of Minjiang University. – 2014. – № 5. – P. 92–96. (*In Chinese*). doi:10.3969/j.issn.1009-7821.2014.05.018
32. Ершова Н. А., Шпакова Н. М., Орлова Н. В., Ершов С. С. **Амфіфіли як інструмент для вивчення гіпертонічного криогемолізу еритроцитів ссавців** // Біологія тварин. – 2014. – Т. 16. – № 2. – С. 26–34.
33. Левицький Т. Р., Ривак Г. П., Ривак З. О. **Визначення вмісту метіоніну в кормових добавках методом капілярного електрофорезу** // Науково-технічний бюлетень Інституту біології тварин і Державного науково-дослідного контрольного інституту ветпрепаратів та кормових добавок. – 2014. – Вип. 15. – № 2–3. – С. 64–68.
34. Левицький Т. Р., Ривак Г. П., Кушнір Г. В., Ривак Р. О. **Визначення вмісту органічних кислот у порошкоподібних кормових добавках методом капілярного електрофорезу** // Науково-технічний бюлетень Інституту біології тварин і Державного науково-дослідного контрольного інституту ветпрепаратів та кормових добавок. – 2014. – Вип. 15. – № 1. – С. 72–76.
35. Ривак Г. П. **Контроль якості преміксів за вмістом холін хлориду методом капілярного електрофорезу** // Науково-технічний бюлетень Інституту біології тварин і Державного науково-дослідного контрольного інституту ветпрепаратів та кормових добавок. – 2014. – Вип. 15. – № 4. – С. 83–87.
- 2013
1. Amelin V. G., Bol'shakov D. S., Tret'yakov A. V. **Dispersive liquid-liquid microextraction and solid-phase extraction of polar pesticides from natural water and their determination by micellar electrokinetic chromatography** // Journal of Analytical Chemistry. – 2013. – V. 68. – № 5. – P. 386–397. doi:10.1134/S1061934813050031
2. Fakhari A. R., Tabani H., Behdad H., Nojavan S., Taghizadeh M. **Electrically-enhanced microextraction combined with maltodextrin-modified capillary electrophoresis for quantification of tolterodine enantiomers in biological samples** // Microchemical Journal. – 2013. – V. 106. – P. 186–193. doi:10.1016/j.microc.2012.06.010
3. Hai P., Suyaleqiqige **Determination of three flavonoids in *Oxytropismyriophylla* from different habitats by HPCE** // Chinese Journal of Experimental Traditional Medical Formulae. – 2013. – V. 19. – № 6. – P. 92–95. (*In Chinese*).
4. Hasheminasab K. S., Fakhari A. R. **Development and application of carbon nanotubes assisted electromembrane extraction (CNTs/EME) for the determination of buprenorphine as a model of basic drugs from urine samples** // Analytica Chimica Acta. – 2013. – V. 767. – P. 75–80. doi:10.1016/j.aca.2012.12.046
5. Hasheminasab K. S., Fakhari A. R., Shahsavani A., Ahmar H. **A new method for the enhancement of electromembrane extraction efficiency using carbon nanotube reinforced hollow fiber for the determination of acidic drugs in spiked plasma, urine, breast milk and wastewater samples** // Journal of Chromatography A. – 2013. – V. 1285. – P. 1–6. doi:10.1016/j.chroma.2013.01.115
6. Hu F., Xu L., Luan F., Liu H., Gao Y. **Determination of neotame in non-alcoholic beverage by capillary zone electrophoresis** // Journal of the Science of Food and Agriculture. – 2013. – V. 93. – № 13. – P. 3334–3338. doi:10.1002/jsfa.6181
7. Hu X., Qu J. **Rapid testing for clindamycin hydrochloride in anti-acne traditional Chinese medicine preparation by HPCE** // Journal of Pediatric Pharmacy. – 2013. – V. 19. – № 6. – P. 45–47. (*In Chinese*). doi:10.13407/j.cnki.jpp.1672-108x.2013.06.001
8. Huang L. **Study on the ultrasonic extraction of Sudan dyes from chili powders** // Journal of

- Minjiang University. – 2013. – V. 34. – № 2. – P. 105–107. (*In Chinese*). doi:10.3969/j.issn.1009-7821.2013.02.027
9. Kirsanova Yu. A., Chernov'yants M. S., Burykin I. V. **Electrophoretic determination of phenyl and *p*-bromophenyl substituted 1*H*,2*H*,3*H*,4*H*-pyrido[4,3-*d*]pyrimidinium diiodobromides** // Journal of Analytical Chemistry. – 2013. – V. 68. – № 11. – P. 977–980. doi:10.1134/S1061934813110063
10. Lebedeva M. V., Bulgakova G. A., Prokhorova A. F., Shapovalova E. N., Chernobrovkin M. G., Shpigun O. A. **Azithromycin for enantioseparation of tetrahydrozoline in NACE** // Chromatographia. – 2013. – V. 76. – № 7–8. – P. 375–379. doi:10.1007/s10337-012-2347-9
11. Li M., Jin M., Chen X., Shang S., Li J. **Determination of 3 corticosteroids in cosmetics by field amplified sample introduction - micellar capillary electrophoresis** // Physical Testing and Chemical Analysis. Part B: Chemical Analysis. – 2013. – V. 49. – № 4. – P. 435–438. (*In Chinese*).
12. Li X., Zhao Y., Jiang C., Zhang H., Yu A. **Determination of amino acids in *Panax notoginseng* by microwave hydrolysis and derivatization coupled with capillary zone electrophoresis detection** // Chemical Research in Chinese Universities. – 2013. – V. 29. – № 3. – P. 434–438. doi:10.1007/s40242-013-2325-2
13. Li Y., Hu X., Wu J., Qu J. **Preparation and determination of ephedrine hydrochloride nasal gel** // Journal of Hubei University of Chinese Medicine. – 2013. – V. 15. – № 1. – P. 33–35 (*In Chinese*). doi:10.3969/j.issn.1008-987x.2013.01.12
14. Monasterio R. P., Fernández M. A., Silva M. F. **High throughput determination of phenolic compounds in virgin olive oil using dispersive liquid liquid microextraction capillary zone electrophoresis** // Electrophoresis. – 2013. – V. 34. – № 12. – P. 1836–1843. doi:10.1002/elps.201300117
15. Monasterio R. P., Fernández M. A., Silva M. F. **Olive oil by capillary electrophoresis: characterization and genuineness** // Journal of Agricultural and Food Chemistry. – 2013. – V. 61. – № 19. – P. 4477–4496. doi:10.1021/jf400864q
16. Mu G., Luan F., Liu H., Gao Y. **Use of experimental design and artificial neural network in optimization of capillary electrophoresis for the determination of nicotinic acid and nicotinamide in food compared with high-performance liquid chromatography** // Food Analytical Methods. – 2013. – V. 6. – № 1. – P. 191–200. doi:10.1007/s12161-012-9429-z
17. Mu G., Luan F., Xu L., Liu H., Gao Y. **Separation and determination of five active components in eye drops by capillary electrophoresis in comparison with HPLC** // Journal of Liquid Chromatography & Related Technologies. – 2013. – V. 36. – № 5. – P. 549–560. doi:10.1080/10826076.2012.668736
18. Pan J., Liu W., Song H., Cao X., Gao W. **Simultaneous determination of six antioxidants in feed by high performance capillary electrophoresis** // China Feed. – 2013. – № 3. – P. 40–42. (*In Chinese*). doi:10.3969/j.issn.1004-3314.2013.08.013
19. Rodin I., Stavrianidi A., Smirnov R., Braun A., Shpigun O., Rybalchenko I. **New techniques for nerve agent oxidation products determination in environmental water by high-performance liquid chromatography-mass spectrometry (HPLC-MS) and capillary electrophoresis (CE) with direct ultraviolet (UV) detection** // Environmental Forensics. – 2013. – V. 14. – № 2. – P. 87–96. doi:10.1080/15275922.2013.781079
20. Rudnev A. V., Vanifatova N. G., Dzherayan T. G., Lazareva E. V., Bulychev N. A. **Study of stability and dispersion composition of calcium hydroxyapatite in aqueous suspensions by capillary zone electrophoresis** // Journal of Analytical Chemistry. – 2013. – V. 68. – № 8. – P. 700–705. doi:10.1134/S1061934813080091
21. Sidorova A. A., Yaroshenko D. V., Murashko E. A., Grigor'ev A. V. **Development of chromatographic and electrophoretic methods for determining vinblastine in blood plasma and prostate gland tissue** // Journal of Analytical Chemistry. – 2013. – V. 68. – № 3. – P. 265–271. doi:10.1134/S1061934813030118
22. Šír M., Honzajková Z., Podhola M., Patočka T., Kocurek P., Bystrianský B., Vurm R., Kubal M., Kuraš M. **Using reverse osmosis technology for recycling wastewater from a coal-fired power plant** // Desalination and Water Treatment. – 2013. – V. 51. – № 1–3. – P. 328–332. doi:10.1080/19443994.2012.714858
23. Soto V. C., Maldonado I. B., Gil R. A., Peralta I. E., Silva M. F., Galmarini C. R. **Nectar and flower traits**

- of different onion male sterile lines related to pollination efficiency and seed yield of F1 hybrids // Journal of Economic Entomology. – 2013. – V. 106. – № 3. – P. 1386–1394. doi:10.1603/EC13096
24. Tabani H., Fakhari A. R., Shahsavani A. **Simultaneous determination of acidic and basic drugs using dual hollow fibre electromembrane extraction combined with CE** // Electrophoresis. – 2013. – V. 34. – № 2. – P. 269–276. doi:10.1002/elps.201200330
25. Tabani H., Fakhari A. R., Shahsavani A., Behbahani M., Salarian M., Bagheri A., Nojavan S. **Combination of graphene oxide-based solid phase extraction and electro membrane extraction for the preconcentration of chlorophenoxy acid herbicides in environmental samples** // Journal of Chromatography A. – 2013. – V. 1300. – P. 227–235. doi:10.1016/j.chroma.2013.04.026
26. Tabani H., Fakhari A. R., Zand E. **Low-voltage electromembrane extraction combined with cyclodextrin modified capillary electrophoresis for the determination of phenoxy acid herbicides in environmental samples** // Analytical Methods. – 2013. – № 5. – P. 1548–1555. doi:10.1039/C3AY26252A
27. Vanifatova N., Rudnev A., Spivakov B. **A new approach to the studies of submicron particles suspensions based on the effect of pressure in capillary zone electrophoresis** // Electrophoresis. – 2013. – V. 34. – № 15. – P. 2145–2151. doi:10.1002/elps.201300118
28. Wang Q., Bao B., Chen Y., Dai N. **Simultaneous determination of six flavonoids in rat plasma by high-performance capillary electrophoresis and its application to a pharmacokinetic study** // Journal of Food and Drug Analysis. – 2013. – V. 21. – № 4. – P. 369–375. doi:10.1016/j.jfda.2013.08.004
29. Xie Q., Lin Q. **Determination of three lignans in *Schisandra chinensis* (Turcz) Baill by micellar electrokinetic capillary chromatography** // Chinese Journal of Spectroscopy Laboratory. – 2013. – V. 30. – № 4. – P. 1972–1975. (In Chinese). doi:10.3969/j.issn.1004-8138.2013.04.106
30. Xu L., Luan F., Hu F., Liu H., Gao Y. **Development and validation of a non-aqueous capillary electrophoresis method for simultaneous estimation of mebendazole and levamisole hydrochloride in compound mebendazole tablets** // Analytical Methods. – 2013. – № 3. – P. 762–765. doi:10.1039/C2AY26090E
31. Xu L., Mu G., Luan F., Liu H., Gao Y. **Determination of amiloride hydrochloride and furosemide in compound furosemide tablets by capillary electrophoresis combined with response surface methodology and artificial neural network** // Journal of Liquid Chromatography & Related Technologies. – 2013. – V. 36. – № 20. – P. 2905–2918. doi:10.1080/10826076.2012.731669
32. Левицький Т. Р., Ривак Г. П., Кушнір Г. В., Ривак Р. О. **Визначення вмісту лізину в кормових добавках методом капілярного електрофорезу** // Науково-технічний бюлетень Інституту біології тварин і Державного науково-дослідного контрольного інституту ветпрепаратів та кормових добавок. – 2013. – Вип. 14. – № 3–4. – С. 55–59.

2012

1. Amelin V. G., Bol'shakov D. S., Tretiakov A. V. **Determination of glyphosate and aminomethylphosphonic acid in surface water and vegetable oil by capillary zone electrophoresis** // Journal of Analytical Chemistry. – 2012. – V. 67. – № 4. – P. 386–391. doi:10.1134/S1061934812020037
2. Amelin V. G., Bol'shakov D. S., Tretiakov A. V. **Separation and quantification of polar pesticides in well, surface, and drinking water by capillary electrophoresis** // Journal of Analytical Chemistry. – 2012. – V. 67. – № 11. – P. 904–924. doi:10.1134/S106193481209002X
3. Cao X., Wang P., Zhang J., Gao W. **Determination of preservatives in feed by capillary micellar electrokinetic chromatography** // China Feed. – 2012. – № 7. – P. 34–36. (In Chinese). doi:10.3969/j.issn.1004-3314.2012.07.010
4. Cao X., Xue J., Gao W., Yan L. **Simultaneous determination of seven preservatives in feeds by high performance capillary electrophoresis** // Feed Industry. – 2012. – V. 33. – № 15. – P. 61–64. (In Chinese). doi:10.3969/j.issn.1001-991X.2012.15.017
5. Fakhari A. R., Tabani H., Nojavan S., Abedi H. **Electromembrane extraction combined with**

- cyclodextrin-modified capillary electrophoresis for the quantification of trimipramine enantiomers** // *Electrophoresis*. – 2012. – V. 33. – № 3. – P. 506–515. doi:10.1002/elps.201100426
6. Gao W., Yang G., Jia Y. **Separation and analysis of organic acids in food by capillary silica monolithic column** // *Food Science*. – 2012. – V. 33. – № 20. – P. 153–156. (*In Chinese*).
 7. Gavrilin M. V., Sedin A. V., Senchenko S. P. **Quantitative determination of anticancer compounds in aerial parts of some plants from the family *Brassicaceae*** // *Pharmaceutical Chemistry Journal*. – 2012. – V. 46. – № 6. – P. 360–362. doi:10.1007/s11094-012-0798-9
 8. Golubenko A. M., Nikonorov V. V., Nikitina T. G. **Determination of hydroxycarboxylic acids in food products by capillary electrophoresis** // *Journal of Analytical Chemistry*. – 2012. – V. 67. – № 9. – P. 778–782. doi:10.1134/S1061934812090055
 9. Han P., Luan F., Yan X., Gao Y., Liu H. **Separation and determination of honokiol and magnolol in Chinese traditional medicines by capillary electrophoresis with the application of response surface methodology and radial basis function neural network** // *Journal of Chromatographic Science*. – 2012. – V. 50. – № 1. – P. 71–75. doi:10.1093/chromsci/bmr010
 10. Hu X., Li Y., Qu J. **Preparation and quality control of ciprofloxacin lactate ear gel** // *Journal of Pediatric Pharmacy*. – 2012. – V. 18. – № 11. – P. 40–42. (*In Chinese*). doi:10.3969/j.issn.1672-108X.2012.11.016
 11. Kartsova L. A., Sidorova A. A., Bessonova E. A. **Different methods of on-line preconcentration in the electrophoretic determination of amines, amino acids, and steroid hormones** // *Journal of Analytical Chemistry*. – 2012. – V. 67. – № 7. – P. 642–648. doi:10.1134/S1061934812070039
 12. Kompantsev D. V. **Stability of glucosamine dosage forms** // *Russian Journal of General Chemistry*. – 2012. – V. 82. – № 3. – P. 579–585. doi:10.1134/S1070363212030371
 13. Korolev A. A., Viktorova E. N., Orekhov V. A., Kanatyeva A. Yu., Kurganov A. A. **Separation of polystyrenes by means of open tubular capillary chromatography** // *Journal of Separation Science*. – 2012. – V. 35. – № 9. – P. 1118–1122. doi:10.1002/jssc.201101076
 14. Kucher A., Smirnov A., Parastayeva M., Beresneva O., Kayukov I., Zubina I., Ivanova G. **The influence of high protein soy bean diet on blood serum nitrate level in spontaneously hypertensive rats with experimental renal failure** // *Nephrology Dialysis Transplantation*. – 2012. – V. 27. – Suppl. 2. – P. ii439. doi:10.1093/ndt/gfs241
 15. Lebedeva M. V., Bulgakova G. A., Prokhorova A. F., Shapovalova E. N., Chernobrovkin M. G., Shpigun O. A. **Azithromycin for enantioseparation of tetrahydrozoline in NACE** // *Chromatographia*. – 2012. – Spec Issue: Advances in Chromatography and Electrophoresis & Chiral 2012. doi:10.1007/s10337-012-2347-9
 16. Li J., Chen X., Liu Y., Shang S., Li M. **Sensitive determination of melamine by field enhanced sample injection - capillary zone electrophoresis technique** // *Fenxi Ceshi Xuebao (Journal of Instrumental Analysis)*. – 2012. – V. 31. – № 7. – P. 858–862. (*In Chinese*). doi:10.3969/j.issn.1004-4957.2012.07.018
 17. Mu G., Liu H., Gaob Y., Luan F. **Determination of benzoyl peroxide, as benzoic acid, in wheat flour by capillary electrophoresis compared with HPLC** // *Journal of the Science of Food and Agriculture*. – 2012. – V. 92. – № 4. – P. 960–964. doi:10.1002/jsfa.4677
 18. Mu G., Luan F., Xu L., Hu F., Liu H., Gao Y. **Determination of purines in soybean milk by capillary electrophoresis in comparison with high performance liquid chromatography** // *Analytical Methods*. – 2012. – V. 4. – № 10. – P. 3386–3391. doi:10.1039/C2AY25488C
 19. Mu G., Liu H., Xu L., Tian L., Luan F. **Matrix solid-phase dispersion extraction and capillary electrophoresis determination of tetracycline residues in milk** // *Food Analytical Methods*. – 2012. – V. 5. – № 1. – P. 148–153. doi:10.1007/s12161-011-9225-1
 20. Nguyen B. D. Q., Chernov'yants M. S., Burykin I. V. **In-capillary derivatization and determination of iodine in sodium chloride solution** // *Analyst*. – 2012. – V. 137. – № 2. – P. 481–484. doi:10.1039/C1AN15932A

21. Nojavan S., Moharami A., Fakhari A. R. **Two-step liquid phase microextraction combined with capillary electrophoresis: A new approach to simultaneous determination of basic and zwitterionic compounds** // Journal of Separation Science. – 2012. – V. 35. – № 15. – P. 1959–1966. doi:10.1002/jssc.201200229
22. Ostroushko A. A., Tonkushina M. O., Korotaev V. Yu., Prokof'eva A. V., Kutyashev I. B., Vazhenin V. A., Danilova I. G., Men'shikov S. Yu. **Stability of the Mo₇₂Fe₃₀ polyoxometalate buckyball in solution** // Russian Journal of Inorganic Chemistry. – 2012. – V. 57. – № 9. – P. 1210–1213. doi:10.1134/S0036023612090173
23. Pan H., Fan M. **Determination of 6 PAHs in surface water by MEEKC** // Pollution Control Technology. – 2012. – V. 25. – № 5. – P. 44–50. (*In Chinese*).
24. Prosekov A. Yu., Mudrikova O. V., Babich O. O. **Determination of cinnamic acid by capillary zone electrophoresis using ion-pair reagents** // Journal of Analytical Chemistry. – 2012. – V. 67. – № 5. – P. 474–477. doi:10.1134/S1061934812030100
25. Rudnev A. V., Vanifatova N. G., Dzherayan T. G., Burmistrov A. A. **Characterization of calcium hydroxyapatite polycrystalline nanoparticles by capillary zone electrophoresis and scanning electron microscopy** // Journal of Analytical Chemistry. – 2012. – V. 67. – № 6. – P. 565–571. doi:10.1134/S1061934812060159
26. Sidorova A. A., Grigoriev A. V. **Determination of diagnostical markers of urolithiasis by capillary electrophoresis** // Journal of Analytical Chemistry. – 2012. – V. 67. – № 5. – P. 478–485. doi:10.1134/S1061934812050115
27. Šír M., Podhola M., Patočka T., Honzajková Z., Kocurek P., Kubal M., Kuraš M. **The effect of humic acids on the reverse osmosis treatment of hazardous landfill leachate** // Journal of Hazardous Materials. – 2012. – V. 207–208. – P. 86–90. doi:10.1016/j.jhazmat.2011.08.079
28. Venediktov A. B., Korenev S. V., Vasil'chenko D. B., Zadesenets A. V., Filatov E. Yu., Mamonov S. N., Ivanova L. V., Prudnikova N. G., Semitut E. Yu. **On preparation of platinum(IV) nitrate solutions from hexahydroxoplatinates(IV)** // Russian Journal of Applied Chemistry. – 2012. – V. 85. – № 7. – P. 995–1002. doi:10.1134/S1070427212070014
29. Wu Y., Zhang W., Chen Z. **A poly (4-vinylpyridine-co-ethylene glycol dimethacrylate) monolithic concentrator for in-line concentration-capillary electrophoresis analysis of phenols in water samples** // Electrophoresis. – 2012. – V. 33. – № 18. – P. 2911–2919. doi:10.1002/elps.201250004
30. Xu L. N., Gai F. Y., Mu G. F., Gao Y., Liu H. T., Luan F. **Determination of formaldehyde in aquatic products by micellar electrokinetic capillary chromatography with 2,4-dinitrophenylhydrazine derivatization** // Acta Chromatographica. – 2012. – V. 24. – № 4. – P. 519–528. doi:10.1556/AChrom.24.2012.4.1
31. Xue Z., Fu F. **Determination of eight monosaccharides in the hydrolysate on *Antrodia camphorata*'s polysaccharide by using capillary electrophoresis - UV detection** // Journal of Analytical Science. – 2012. – V. 28. – № 5. – P. 657–660. (*In Chinese*).
32. Zenkevich I. G., Ukolova E. S. **Dependence of chromatographic retention indices on a ratio of amounts of target and reference compounds** // Journal of Chromatography A. – 2012. – V. 1265. – P. 133–143. doi:10.1016/j.chroma.2012.09.076
33. Zhang Y., Huang L., Chen Q., Chen Z. **A silica monolithic column with chemically bonded L-pipecolic acid as chiral stationary phase for enantiomeric separation of dansyl amino acids by CEC-MS** // Chromatographia. – 2012. – V. 75. – № 5–6. – P. 289–296. doi:10.1007/s10337-012-2188-6
34. Zhou C., Tong Sh., Chang Y., Jia Q., Zhou W. **Ionic liquid-based dispersive liquid-liquid microextraction with back-extraction coupled with capillary electrophoresis to determine phenolic compounds** // Electrophoresis. – 2012. – V. 33. – № 8. – P. 1331–1338. doi:10.1002/elps.201100469

2011

1. Alekseeva A. V., Kartsova L. A. **Potencies of ligand-exchange capillary electrophoresis in the determination of biologically active compounds** // Journal of Analytical Chemistry. – 2011. – V. 66. – № 7. – P. 651–659. doi:10.1134/S1061934811070021

2. Cala M., Vásquez A., García A., Martínez J. R., Stashenko E. **Estudio comparativo por electroforesis capilar y cromatografía líquida de alta eficiencia de catequinas extraídas de cinco variedades de cacao Colombiano** // Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales. – 2011. – V. 35. – Nº 136. – P. 371–379. (In Spanish). URL http://www.scielo.org.co/scielo.php?pid=S0370-39082011000300010&script=sci_arttext
3. Chen X., Tian Z., Liu Y., Huang Y., Cao Y. **Analysis of corticosteroids in cosmetics by reversed microemulsion chromatography by 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid as additive** // Fenxi Ceshi Xuebao (Journal of Instrumental Analysis). – 2011. – V. 30. – Nº 2. – P. 203–206. (In Chinese). doi:10.3969/j.issn.1004-4957.2011.02.017
4. Chen X., Yuan H.-P., Cao Y.-H., Chen Q.-Y. **On-line preconcentration and sensitive determination of melamine in milk powder and animal feeds samples by micellar electrokinetic chromatography** // Chinese Journal of Analytical Chemistry. – 2011. – V. 39. – Nº 9. – P. 1418–1422. (In Chinese). doi:10.3724/SP.J.1096.2011.01418
5. Chernov'yants M. S., Aleshina N. V., Burykin I. V. **Chromatographic and electrophoretic determination of thioamides based on thiazole, 1,3,4-thiadiazole, 1,2,4-triazole, and tetrazole** // Journal of Analytical Chemistry. – 2011. – V. 66. – Nº 3. – P. 280–284. doi:10.1134/S1061934811010023
6. Ershov D. S., Paston S. V., Kartsova L. A., Alekseeva A. V., Ganzha O. V., Kasyanenko N. A. **Investigation of the radioprotective properties of some tea polyphenols** // Structural Chemistry. – 2011. – V. 22. – Nº 2. – P. 475–482. doi:10.1007/s11224-011-9765-4
7. Foteeva L. S., Trofimov D. A., Kuznetsova O. V., Kowol Ch. R., Arion V. B., Keppler B. K., Timerbaev A. R. **A quantitative structure-activity approach for lipophilicity estimation of antitumor complexes of different metals using microemulsion electrokinetic chromatography** // Journal of Pharmaceutical and Biomedical Analysis. – 2011. – V. 55. – Nº 3. – P. 409–413. doi:10.1016/j.jpba.2011.02.011
8. Hai P., Suyaleqiqige, Wang Q. **Determination of five flavonoids from different processing products of *Artemisia frigida* by HPCE** // Chinese Traditional and Herbal Drugs. – 2011. – V. 42. – Nº 5. – P. 893–896. (In Chinese).
9. Li D., Wang Z., Wang L., Xu X., Zhang H. **Ultrasonic extraction coupled with capillary electrophoresis for the determination of azo dyes in lipsticks using ionic liquid as dynamic coating and background electrolyte** // Chinese Journal of Chemistry. – 2011. – V. 29. – Nº 1. – P. 147–152. doi:10.1002/cjoc.201190043
10. Li D., Yang Q., Wang Z., Su R., Xu X., Zhang H. **Determination of fluoroquinolones in blood by matrix solid-phase dispersion extraction and CE** // Journal of Separation Science. – 2011. – V. 34. – Nº 7. – P. 822–829. doi:10.1002/jssc.201000693
11. Mohammadi A., Nojavan S., Rouini M., Fakhari A. R. **Stability evaluation of tramadol enantiomers using a chiral stability-indicating capillary electrophoresis method and its application to pharmaceutical analysis** // Journal of Separation Science. – 2011. – V. 34. – Nº 13. – P. 1613–1620. doi:10.1002/jssc.201100021
12. Nojavan S., Fakhari A. R. **Chiral separation and quantitation of cetirizine and hydroxyzine by maltodextrin-mediated CE in human plasma: Effect of zwitterionic property of cetirizine on enantioseparation** // Electrophoresis. – 2011. – V. 32. – Nº 6–7. – P. 764–771. doi:10.1002/elps.201000607
13. Okun V. M. **Capillary electrophoresis: Do you really know what you drink and eat?** // Deutsche Lebensmittel-Rundschau. – 2011. – 107 Jg. – Nº 1. – S. 36–39.
14. Papieva I. S., Kirsanov D. O., Legin A. V., Kartsova L. A., Alekseeva A. V., Vlasov Yu. G., Bhattacharyya N., Sarkar S., Bandyopadkhyay R. **Analysis of tea samples with a multisensor system and capillary electrophoresis** // Russian Journal of Applied Chemistry. – 2011. – V. 84. – Nº 6. – P. 964–971. doi:10.1134/S1070427211060115
15. Prokhorova A. F., Shapovalova E. N., Popov D. S., Shpigun O. A. **Use of lignins as components of background electrolyte in capillary electrophoresis** // Journal of Analytical Chemistry. – 2011. – V. 66. – Nº 5. – P. 515–521. doi:10.1134/S1061934811050145

16. Rudnev A. V., Ermolin M. S., Dzherajan T. G., Vanifatova N. G., Fedotov P. S. **Characterization of a hydroxyapatite suspension by capillary zone electrophoresis after fractionation in a rotating coiled column** // Mendeleev Communications. – 2011. – V. 21. – № 4. – P. 212–214. doi:10.1016/j.mencom.2011.07.014
17. Sidorova A. A., Kartsova L. A. **Study of the kynurenine pathway of tryptophan metabolism by capillary electrophoresis and mass spectrometry** // Journal of Analytical Chemistry. – 2011. – V. 66. – № 3. – P. 322–326. doi:10.1134/S1061934811030166
18. Tu F., Yao H., Zhong C., Lu Y., Lin Z. **HPCE determination of ephedrine hydrochloride and pseudo-ephedrine hydrochloride in drugs with enrichment by electro-stacking** // Physical Testing and Chemical Analysis. Part B: Chemical Analysis. – 2011. – V. 47. – № 5. – P. 569–576. (*In Chinese*).
19. Tu F., Xiang X., Dong Y., Yu Y., Lu W., Ding M. **Studies on the interaction for bovine serum albumin with benzoate by capillary zone electrophoresis - frontal analysis** // Chinese Journal of Analysis Laboratory. – 2011. – V. 30. – № 8. – P. 73–76. (*In Chinese*).
20. Wang W., Chen P. **Separation and determination of six -casomorphins by capillary electrophoresis with UV detection** // Journal of Fuzhou University (Natural Science Edition). – 2011. – V. 39. – № 4. – P. 599–607. (*In Chinese*). doi:10.7631/issn.1000-2243.2011.04.0599
21. Wang Q., Ao W., Bao J. **Simultaneous determination of five flavonoids in *Artemisia frigida* by HPCE** // Chinese Journal of Experimental Traditional Medical Formulae. – 2011. – V. 17. – № 16. – P. 63–66. (*In Chinese*). doi:10.3969/j.issn.1005-9903.2011.16.018
22. Xiao M., Ye J., Tang X., Huang Y. **Determination of soybean isoflavones in soybean meal and fermented soybean meal by micellar electrokinetic capillary chromatography (MECC)** // Food Chemistry. – 2011. – V. 126. – № 3. – P. 1488–1492. doi:10.1016/j.foodchem.2010.11.168
23. Yang Q., Li D., Quan X., Xu X., Zhao X., Su R., Zhang H., Zhang H., Wang Z. **Determination of naringin in grapefruit peel by matrix solid-phase dispersion extraction-capillary electrophoresis** // Journal of Jilin University (Science Edition). – 2011. – V. 49. – № 5. – P. 954–956. (*In Chinese*).
24. Yu L.-S., Chu K.-D., Xu H.-F. **Separation and determination of three epinephrine's analogs by capillary electrophoresis** // Journal of Liaocheng University (Natural Science). – 2011. – V. 24. – № 3. – P. 15–17. (*In Chinese*). doi:10.3969/j.issn.1672-6634.2011.03.005

2010

1. Alekseeva A. V., Kartsova L. A., Kazachishcheva N. V. **Determination of sugars using ligand-exchange capillary electrophoresis** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 2. – P. 202–208. doi:10.1134/S1061934810020176
2. Amelin V. G., Nikolaev Yu. N., Lomonosov I. A., Aleshin N. S. **Solid-phase spectrophotometric analysis of natural water with the simultaneous sample preparation and dynamic preconcentration of test components on reagent cellulose matrices** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 5. – P. 445–454. doi:10.1134/S1061934810050035
3. Belyaeva L. Yu., Prokhorova A. F., Beklemishev M. K. **Determination of benzoate by paper chromatography with visualization due to its inhibitory activity in the reaction of the photosensitized autooxidation of pyrogallol A** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 1. – P. 64–70. doi:10.1134/S1061934810010120
4. Chen J., Weng L. **The determination of the separation coefficient of L-histidine and L-lysine on 732 cation exchange resin** // Guangdong Chemical Industry. – 2010. – V. 37. – № 2. – P. 123–124. (*In Chinese*). doi:10.3969/j.issn.1007-1865.2010.02.055
5. Chen X., Cao Y. **Determination of prednisone by micellar electrokinetic chromatography using field-amplified sample stacking and sweeping micellar electrokinetic chromatographic technique** // Chinese Journal of Analysis Laboratory. – 2010. – V. 29. – № 7. – P. 11–14. (*In Chinese*). doi:10.3969/j.issn.1000-0720.2010.07.003
6. Chen X., Cao Y., Shang S., Chen Q. **On-line sample stacking for the analysis of hydrocortisone acetate by anion selective exhaustive injection and sweeping micellar electrokinetic chromatography** // Fenxi Ceshi Xuebao (Journal

- of Instrumental Analysis). – 2010. – V. 29. – № 3. – P. 285–288. (*In Chinese*). doi:10.3969/j.issn.1004-4957.2010.03.015
7. Chen X., Yuan H., Cao Y., Chen Q. **On-line sample stacking for the analysis of Glycyrrhiza flavonoids by anion selective exhaustive injection-sweeping micellar electrokinetic chromatography** // Chinese Journal of Chromatography. – 2010. – V. 28. – № 9. – P. 889–892. (*In Chinese*). doi:10.3724/SP.J.1123.2010.00889
 8. Fakhari A.R., Nojavan S., Ebrahimi S. N., Evenhuis C. J. **Optimized ultrasound-assisted extraction procedure for the analysis of opium alkaloids in papaver plants by cyclodextrin-modified capillary electrophoresis** // Journal of Separation Science. – 2010. – V. 33. – № 14. – P. 2153–2159. doi:10.1002/jssc.201000135
 9. Fomin A. N., Smirnova A. V., Semenov M. B., Smirnova E. V. **Identification of several basic nitrogen-containing compounds in the presence of coextracted substances of urine and blood by capillary electrophoresis** // Pharmaceutical Chemistry Journal. – 2010. – V. 44. – № 9. – P. 514–516. doi:10.1007/s11094-010-0506-6
 10. Kartsova L. A., Ganzha O. V. **New possibilities of micellar electrokinetic chromatography and microemulsion electrokinetic chromatography in the determination of catechols and catecholamines in natural samples** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 3. – P. 280–286. doi:10.1134/S1061934810030123
 11. Kartsova L. A., Ganzha O. V., Alekseeva A. V. **Possibilities and limitations of different modes of capillary electrophoresis for the quantitative determination of catechols and caffeine in black and green tea** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 2. – P. 209–214. doi:10.1134/S1061934810020188
 12. Li T., Feng Y. **Preparation of octadecyl grafted SiO₂ nanoparticle-deposited capillary and its application in open tubular capillary electrochromatography** // Journal of Analytical Science. – 2010. – V. 26. – № 1. – P. 1–5. (*In Chinese*). doi:10.3969/j.issn.1006-6144.2010.01.001
 13. Lin Z., Pang J., Huang H., Xheng J., Zhang I. **Determination of hexestrol, diethylstibestrol and dienestrol residues in aquatic product by capillary electrophoresis** // Journal of Instrumental Analysis. – 2010. – V. 29. – № 1. – P. 55–58. (*In Chinese*). doi:10.3969/j.issn.1004-4957.2010.01.013
 14. Luo Y., Feng X., Liu H., Zhou B. **Subacute toxic effects of total alkaloids extracted from *Herba leonuri* on liver and kidney in mice** // China Journal of Hospital Pharmacy. – 2010. – V. 30. – № 1. – P. 7–10. (*In Chinese*).
 15. Mei J., Tian Y.-P., He W., Xiao Y.-X., Wei J., Feng Y.-Q. **Preparation approaches of the coated capillaries with liposomes in capillary electrophoresis** // Journal of Chromatography A. – 2010. – V. 1217. – № 44. – P. 6979–6986. doi:10.1016/j.chroma.2010.08.062
 16. Moskvina L. N., Kamentsev M. Ya., Grigor'ev G. L., Yakimova N. M. **Capillary-electrophoretic determination of zinc and cadmium ions in aqueous solutions with ion-exchange preconcentration** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 1. – P. 99–102. doi:10.1134/S1061934810010193
 17. Narezhnaya E. V., Askalepova O. I., Nikashina A. A., Krukier I. I., Pogorelova T. N. **Determination of L-arginine in amniotic fluid by capillary zone electrophoresis** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 12. – P. 1280–1283. doi:10.1134/S1061934810120130
 18. Nikonorov V. V. **Determination of the stability constants of lanthanide complexes with oxyacids using capillary electrophoresis** // Journal of Analytical Chemistry. – 2010. – V. 65. – № 4. – P. 359–365. doi:10.1134/S1061934810040040
 19. Nojavan S., Fakhari A. R. **Electro membrane extraction combined with capillary electrophoresis for the determination of amlodipine enantiomers in biological samples** // Journal of Separation Science. – 2010. – V. 33. – № 20. – P. 3231–3238. doi:10.1002/jssc.201000242
 20. Nowik-Zajac A., Kozłowski C., Walkowiak W. **Transport of perchlorate anions across plasticizer membranes with basic ion carriers** // Physicochemical Problems of Mineral Processing. – 2010. – V. 44. – P. 179–186. URL http://www.minproc.pwr.wroc.pl/journal/pdf/2010/spis_mat2010.htm
 21. Pakhomova O. A., Korenman Ya. I., Mokshina N. Ya., Niftaliev S. I. **Extraction separation and electrophoretic determination of tyrosine**

- and glycine** // Russian Journal of Applied Chemistry. – 2010. – V. 83. – № 11. – P. 1940–1943. doi:10.1134/S107042721011008X
22. Ponomareva E. A., Kartuzova V. E., Vlakh E. G., Tenikova T. B. **Monolithic bioreactors: Effect of chymotrypsin immobilization on its biocatalytic properties** // Journal of Chromatography B. – 2010. – V. 878. – № 5–6. – P. 567–574. doi:10.1016/j.jchromb.2010.01.001
23. Prokhorova A. F., Kuznetsov M. A., Shapovalova E. N., Staroverov S. M., Shpigun O. A. **Enantioseparations of aromatic carboxylic acid by capillary electrophoresis using eremomycin as a chiral selector in a chitosanmodified capillary** // Procedia Chemistry. – 2010. – V. 2. – № 1. – P. 9–13. doi:10.1016/j.proche.2009.12.004
24. Prokhorova A. F., Kuznetsov M. A., Shapovalova E. N., Staroverov S. M., Shpigun O. A. **Separation of enantiomers of *N*-derivatives of amino acids by capillary electrophoresis using macrocyclic antibiotics** // Moscow University Chemistry Bulletin. – 2010. – V. 65. – № 5. – P. 295–299. doi:10.3103/S0027131410050032
25. Rodionova O., Pomerantsev A., Houmøller I., Shpak A., Shpigun O. **Noninvasive detection of counterfeited ampoules of dexamethasone using NIR with confirmation by HPLC-DAD-MS and CE-UV methods** // Analytical and Bioanalytical Chemistry. – 2010. – V. 397. – № 5. – P. 1927–1935. doi:10.1007/s00216-010-3711-y
26. Song Z., Liu Y., Zhang L. **Separation and determination of kaempferol, quercetin, and chlorogenic acid in Folium pyrosiae – Chinese traditional medicine by micellar electrokinetic capillary chromatography** // Quality and Technical Supervision Research. – 2010. – № 6. – P. 8–13. (In Chinese). doi:10.15902/j.cnki.zljz-jdyj.2010.06.011
27. Svidritskii E. P., Jiang M. Sh., Il'in V. I., Dyn'kov D. I., Pirogov A. V., Shpigun O. A. **The determination of alendronate ion and certain inorganic ions using capillary electrophoresis** // Moscow University Chemistry Bulletin. – 2010. – V. 65. – № 1. – P. 42–48. doi:10.3103/S0027131410010062
28. Tu F., Dong Y., Xiang X., Yao H., Xu Z. **Separation and determination of ibuprofen in 5 drugs by HPCE with sample stacking mode** // Guangzhou Chemical Industry. – 2010. – V. 38. – № 8. – P. 203–205. (In Chinese). doi:10.3969/j.issn.1001-9677.2010.08.075
29. Tu F., Yao H., Wu L., Liu W., Wu Y. **Determination of benzoic acid and potassium sorbate in drugs by HPCE** // Chinese Journal of Analysis Laboratory. – 2010. – V. 29. – № 4. – P. 99–102. (In Chinese). doi:10.3969/j.issn.1000-0720.2010.04.025
30. Vanifatova N. G., Spivakov B. Y., Belogorokhov A. I., Karpov Y. A., Kuselman I. **Study of properties of silicone-silica crystalline nanospheres in aqueous solutions by capillary zone electrophoresis** // International Journal of Nanoparticles. – 2010. – V. 3. – № 1. – P. 65–76. doi:10.1504/IJNP.2010.033222
31. Wang L., Cao Y. **Study on the fingerprints of Radix Scutellariae by HPCE** // Tianjin Chemical Industry. – 2010. – V. 24. – № 4. – P. 24–27. (In Chinese). doi:10.3969/j.issn.1008-1267.2010.04.009
32. Wei F., Fan J., Zheng M.-M., Feng Y.-Q. **Combining poly (methacrylic acid-co-ethylene glycol dimethacrylate) monolith microextraction and octadecyl phosphonic acid-modified zirconia-coated CEC with field-enhanced sample injection for analysis of antidepressants in human plasma and urine** // Electrophoresis. – 2010. – V. 31. – № 4. – P. 714–723. doi:10.1002/elps.200900425
33. Wen Y., Liu H., Tian L., Han P., Luan F. **Analysis of alkaloids in pharmaceutical preparations containing Kushen by capillary electrophoresis with application of experimental design and a quantitative structure-property relationship approach** // Acta Chromatographica. – 2010. – V. 22. – № 3. – P. 445–457. doi:10.1556/AChrom.22.2010.3.8
34. Wen Y., Liu H., Han P., Gao Y., Luan F., Li X. **Determination of melamine in milk powder, milk and fish feed by capillary electrophoresis: a good alternative to HPLC** // Journal of the Science of Food and Agriculture. – 2010. – V. 90. – № 13. – P. 2178–2182. doi:10.1002/jsfa.4066
35. Ye J., Xiao M., Tang X., Huang Y. **Determination of soybean isoflavones in soybean meal and fermented soybean meal by micellar electrokinetic capillary chromatography** // Chinese Pharmaceutical Journal. – 2010. – V. 45. – № 3. – P. 223–227. (In Chinese).

36. Zhang W., Wu Y., Chen Y., Jiang H., Chen Z. **Simultaneous separation of four metal ions by CE using bis(2-pyridylmethyl)(8-pyridylmethoxyquinoline-2-methyl)amine as chelating agent** // *Chromatographia*. – 2010. – V. 72. – № 11–12. – P. 1201–1205. doi:10.1365/s10337-010-1775-7
37. Zyablov A. N., Kalach A. V., Zhibrova Yu. A., Selemenev V. F., D'yakonova O. V. **Determination of glycine in aqueous solutions using a molecularly imprinted polymer-modified piezosensor** // *Journal of Analytical Chemistry*. – 2010. – V. 65. – № 1. – P. 91–93. doi:10.1134/S106193481001017X
38. Кошелєв О. С. **Визначення капілярно-електрофоретичних характеристик настоянки валеріани** // *Медична хімія*. – Тернопіль, 2010. – № 1. – С. 44–46.
39. Маркіна М. В., Вяткін О. К., Ляшенко В. П., Руденко А. І. **Катіонний склад слини у людей із порушеннями діяльності шлунково-кишкового тракту** // *Вісник Дніпропетровського університету. Біологія. Медицина*. – 2010. – Вип. 1, т. 1. – С. 83–88

2009

1. Amelin V. G., Aleshin N. S. **Solid-phase fluorescence in chemical test methods of analysis based on the principles of planar chromatography** // *Journal of Analytical Chemistry*. – 2009. – V. 64. – № 11. – P. 1189–1192. doi:10.1134/S106193480911015X
2. Amelin V. G., Koroleva O. V. **Fabrics and papers modified with analytical reagents for the test determination of selenium(IV) and tellurium(IV)** // *Journal of Analytical Chemistry*. – 2009. – V. 64. – № 12. – P. 1275–1278. doi:10.1134/S1061934809120132
3. Fu F.-F., Xiao L.-X., Wang W., Xu X.-Q., Xu L.-J., Qi G.-M., Chen G.-N. **Study on the degradation of 2,4-dichlorophenoxyacetic acid (2,4-D) and 2-methyl-4-chloro-phenoxyacetic sodium (MCPA sodium) in natural agriculture-soils of Fuzhou, China using capillary electrophoresis** // *Science of the Total Environment*. – 2009. – V. 407. – № 6. – P. 1998–2003. doi:10.1016/j.scitotenv.2008.11.023
4. Gavrilin M. V., Senchenko S. P. **Use of capillary electrophoresis for estimating the quality of chamomile flowers** // *Pharmaceutical Chemistry Journal*. – 2009. – V. 43. – № 10. – P. 582–584. doi:10.1007/s11094-010-0355-3
5. Huang Y., Xiao M., Ye J., Tang X. **Determination of oleanolic acid in oleanolic acid tablets by HPCE** // *Journal of Guangdong Pharmaceutical College*. – 2009. – V. 25. – № 3. – P. 164–166. (*In Chinese*).
6. Kartsova L. A., Alekseeva A. V., Khmel'nitskii I. K., Komissarchik S. M., Nyanikova G. G., Berezkin V. G. **Electromigration methods in the determination of synthetic food dyes** // *Journal of Analytical Chemistry*. – 2009. – V. 64. – № 12. – P. 1264–1269. doi:10.1134/S1061934809120119
7. Kartsova L. A., Ganzha O. V. **A new electrophoretic technique for determining catecholamines and their metabolites under the conditions of micellar electrokinetic chromatography format** // *Journal of Analytical Chemistry*. – 2009. – V. 64. – № 5. – P. 518–523. doi:10.1134/S1061934809050153
8. Kartsova L. A., Strel'nikova E. G. **Effect of organized media on the chromatographic and electrophoretic determination of pharmaceutical preparations in biological samples** // *Journal of Analytical Chemistry*. – 2009. – V. 64. – № 2. – P. 156–163. doi:10.1134/S1061934809020117
9. Koshcheeva O. S., Shuvaeva O. V., Kuznetzova L. I. **Arsenic speciation in natural and contaminated waters using CZE with in situ derivatization by molybdate and direct UV-detection** // *Electrophoresis*. – 2009. – V. 30. – № 6. – P. 1088–1093. doi:10.1002/elps.200800384
10. Li D., Wang Z., Wang L., Qu C., Zhang H. **Separation and determination of amino acids by CE using 1-butyl-3-methylimidazolium-based ionic liquid as background electrolyte** // *Chromatographia*. – 2009. – V. 70. – № 5–6. – P. 825–830. doi:10.1365/s10337-009-1247-0
11. Li T., Xu Y., Feng Y.-Q. **Open tubular capillary electrochromatographic separation of proteins and peptides using a TiO₂ nanoparticle-deposited capillary by liquid phase deposition** // *Journal of Liquid Chromatography & Related Technologies*. – 2009. – V. 32. – № 17. – P. 2484–2498. doi:10.1080/10826070903248411
12. Liu F., Weng L., Yang X., Gan L. **Investigation on L-arginine precipitated by silver nitrate** // *Chemical Industry and Engineering*. – 2009. – V. 26. –

- № 2. – P.119–123. (*In Chinese*). doi:10.3969/j.issn.1004-9533.2009.02.006
13. Liu H., Wen Y., Luan F., Gao Y. **Application of experimental design and radial basis function neural network to the separation and determination of active components in traditional Chinese medicines by capillary electrophoresis** // *Analytica Chimica Acta*. – 2009. – V. 638. – № 1. – P. 88–93. doi:10.1016/j.aca.2009.02.006
14. Liu L., Gu Z., Rao Q. **Determination of rebau-dioside and stevioside in low caloric food samples by capillary zone electrophoresis** // *Food Research and Development*. – 2009. – V. 30. – № 4. – P. 113–116. (*In Chinese*). doi:10.3969/j.issn.1005-6521.2009.04.034
15. Prokhorova A. F., Shapovalova E. N., Shpak A. V., Staroverov S. M., Shpigun O. A. **Enantio-recognition of profens by capillary electrophoresis using a novel chiral selector eremomycin** // *Journal of Chromatography A*. – 2009. – V. 1216. – № 17. – P. 3674–3677. doi:10.1016/j.chroma.2009.02.017
16. Senchenko S. P., Checheneva K. S., Gavrilin M. V., Ushakova L. S. **Butoconazole nitrate pharmacokinetics studied by capillary electrophoresis** // *Pharmaceutical Chemistry Journal*. – 2009. – V. 43. – № 11. – P. 597–600. doi:10.1007/s11094-010-0360-6
17. Téllez A., Kenndler E. **Formamide as an organic modifier in MEKC with SDS** // *Electrophoresis*. – 2009. – V. 30. – № 2. – P. 357–364. doi:10.1002/elps.200800329
18. Wu Y., Xie J., Wang F., Chen Z. **Separation of small molecular peptides with same amino acid composition but different sequences by capillary electrophoresis** // *Journal of Separation Science*. – 2009. V. 32. – № 3. – P. 437–440. doi:10.1002/jssc.200800513
19. Xu X., Wang L., Ruan Y. **Enantioseparation of 2,2'-dihydroxy-1,1'-dinaphthyl-3,3'-dicarboxylic acid by capillary electrophoresis and high-performance liquid chromatography** // *Journal of Analytical Science*. – 2009. – V. 25. – № 5. – P. 547–550. (*In Chinese*).
20. Yang G.-D., Zheng J.-P., Huang H.-X., Qi G.-M., Xu J.-H., Fu F.-F. **Speciation analysis of arsenic in seafood with capillary electrophoresis - Ultraviolet detection** // *Fenxi Huaxue (Chinese Journal of Analytical Chemistry)*. – 2009. – V. 37. – № 4. – P. 532–536. (*In Chinese*).
21. Yang G.-D., Zheng J.-P., Huang H.-X., Qi G.-M., Xu J.-H., Fu F.-F. **Speciation analysis of arsenic in seafood with capillary electrophoresis - Ultraviolet detection** // *Chinese Journal of Analytical Chemistry*. – 2009. – V. 37. – № 4. – P. 532–536. doi:10.1016/S1872-2040(08)60096-1
22. Zhang L., Chen J., He Y., Chi Y., Chen G. **A new mixed micellar electrokinetic chromatography method for analysis of natural and synthetic anabolic steroids** // *Talanta*. – 2009. – V. 77. – № 3. – P. 1002–1008. doi:10.1016/j.talanta.2008.07.060
23. Маркіна М. В., Ляшенко В. П., Руденко А. І., Вяткін О. К. **Дослідження стану кислотоутворюючої функції шлунку за іонним складом змішаної слини у осіб з патологіями шлунково-кишкового тракту та у здорових осіб** // *Ученые записки Таврического нац. унта им. В. И. Вернадского. Сер. «Биология, химия»*. – 2009. – Т. 22 (61). – № 2. – С. 86–91.
- ## 2008
24. Broncová G., Shishkanova T. V., Kronak M., Volf R., Král V. **Optimization of poly(neutral) coated-wire electrode for determination of citrate in soft drinks** // *Sensors*. – 2008. – V. 8. – № 2. – P. 594–606. URL <http://mdpi.net/sensors/papers/s8020594.pdf>
25. Chernov'yants M. S., Burykin I. V., Aleshina N. V. **Electrophoretic and spectrophotometric determination of triiodides of sulfur-containing organic cations** // *Journal of Analytical Chemistry*. – 2008. – V. 63. – № 7. – P. 680–683. doi:10.1134/S1061934808070137
26. Chernov'yants M. S., Dolinkin A. O., Braslavskaya I. V. **Chromatographic determination of 6-substituted 2-thiouracils, thyreostatic preparations** // *Journal of Analytical Chemistry*. – 2008. – V. 63. – № 9. – P. 848–851. doi:10.1134/S1061934808090086
27. Du R., Laxinamujila. **Determination of quercetin in ethanol extracts from herba *Viola* by HPCE** // *Modern Chinese Medicine*. – 2008. – V. 10. – № 4. – P. 18–20. (*In Chinese*). doi:10.3969/j.issn.1673-4890.2008.04.006

28. Fakhari A. R., Nojavan S., Haghgoo S., Mohammadi A. **Development of a stability-indicating CE assay for the determination of amlodipine enantiomers in commercial tablets** // *Electrophoresis*. – 2008. – V. 29. – № 22. – P. 4583–4592. doi:10.1002/elps.200800330
29. Foteeva L. S., Stolyarova N. V., Timerbaev A. R., Keppler B. K. **Capillary electrophoretic assay for the stability of tris(8-quinolinolato) gallium(III) in tablet formulations** // *Journal of Pharmaceutical and Biomedical Analysis*. – 2008. – V. 48. – № 1. – P. 218–222. doi:10.1016/j.jpba.2008.05.017
30. Gu Z., Liu L. **Flocculation technique of Stevia extraction by capillary electrophoresis** // *Chinese Journal of Spectroscopy Laboratory*. – 2008. – V. 25. – N. 6. – P. 1080–1083. (*In Chinese*). doi:10.3969/j.issn.1004-8138.2008.06.017
31. Huang B., Li Y. **Study on separation of L-lysine and L-histidine based on ion-exchange method** // *Applied Chemical Industry*. – 2008. – V. 37. – № 5. – P. 536–538. (*In Chinese*). doi:10.3969/j.issn.1671-3206.2008.05.023
32. Kartsova L. A., Kas'yanenko N. A., Alekseeva A. V., Ganzha O. V., Paston S. V., Ershov D. S. **Electrophoretic determination of catechins and examination of their complexing with organic and inorganic compounds** // *Russian Journal of Applied Chemistry*. – 2008. – V. 81. – № 10. – P. 1758–1763. doi:10.1134/S1070427208100108
33. Kartsova L. A., Alekseeva A. V. **Effect of milk caseins on the concentration of polyphenolic compounds in tea** // *Journal of Analytical Chemistry*. – 2008. – V. 63. – № 11. – P. 1107–1111. doi:10.1134/S1061934808110154
34. Kozłowski C. A., Walkowiak W., Girek T. **Modified cyclodextrin polymers as selective ion carriers for Pb(II) separation across plasticized membranes** // *Journal of Membrane Science*. – 2008. – V. 310. – № 1. – P. 312–320. doi:10.1016/j.memsci.2007.11.004
35. Kucher A., Parastayeva M., Zubina I., Beresneva O., Ivanova G., Kayukov I. **The influence of low-protein soy-bean diet on the level of blood pressure and blood serum inorganic anions concentrations in spontaneous-hypertensive rats (SHR) with experimental chronic renal failure** // *Nephrology Dialysis Transplantation*. – 2008. – V. 1. – Suppl. 2. – P. i245. URL http://ndtplus.oxfordjournals.org/cgi/reprint/1/suppl_2/i232.pdf
36. Li B.-L., Zhang Z.-G., Du L.-L., Wang W. **Chiral resolutions of (9-anthryl)methoxyacetic acid and (9-anthryl)hydroxyacetic acid by capillary electrophoresis** // *Chirality*. – 2008. – V. 20. – № 1. – P. 35–39. doi:10.1002/chir.20485
37. Li T., Shi Z.-G., Zheng M.-M., Feng Y.-Q. **Multiresidue determination of sulfonamides in chicken meat by polymer monolith microextraction and capillary zone electrophoresis with field-amplified sample stacking** // *Journal of Chromatography A*. – 2008. – V. 1205. – № 1–2. – P. 163–170. doi:10.1016/j.chroma.2008.08.017
38. Liu H., Wen Y., Luan F., Gao Y. **Analysis of food additives by capillary electrophoresis** // *Acta Chromatographica*. – 2008. – V. 20. – № 2. – P. 239–246. doi:10.1556/AChrom.20.2008.2.8
39. Liu L., Gu Z., Si D. **Optimization for quantitative determination of rebaudioside A and stevioside in Stevia by capillary zone electrophoresis using central composite design** // *Fenxi Ceshi Xuebao (Journal of Instrumental Analysis)*. – 2008. – V. 27. – № 8. – P. 870–873. (*In Chinese*). doi:10.3969/j.issn.1004-4957.2008.08.019
40. Mei J., Xu J.-R., Xiao Y.-X., Liao X.-Y., Qiu G.-F., Feng Y.-Q. **A novel covalent coupling method for coating of capillaries with liposomes in capillary electrophoresis** // *Electrophoresis*. – 2008. – V. 29. – № 18. – P. 3825–3833. doi:10.1002/elps.200700956
41. Mei J., Xu J.-R., Xiao Y.-X., Zhang Q.-R., Feng Y.-Q. **Immobilized phospholipid capillary electrophoresis for study of drug-membrane interactions and prediction of drug activity** // *Talanta*. – 2008. – V. 75. – № 1. – P. 104–110. doi:10.1016/j.talanta.2007.10.037
42. Polyakova E. V., Shuvaeva O. V., Saprykin A. I. **Chlorine impurity content of Bi₂O₃ and GeO₂** // *Inorganic Materials*. – 2008. – V. 44. – № 9. – P. 986–989. doi:10.1134/S0020168508090161
43. Polyakova E. V., Shuvaeva O. V. **Determination of chloride ion in bismuth oxide by capillary electrophoresis** // *Journal of Analytical Chemistry*. – 2008. – V. 63. – № 4. – P. 391–394. doi:10.1007/s10809-008-4014-8

44. Shi Z.-G., Wei F., Feng Y.-Q. **A novel approach to prepare a glass-fiber-packed capillary column for capillary electrochromatography** // Journal of Liquid Chromatography & Related Technologies. – 2008. – V. 31. – № 20. – P. 3094–3104. doi:10.1080/10826070802480008
45. Sokol E. V., Nokhrin D. Yu., Nigmatulina E. N., Gribovskii Yu. G. **Environmental-geochemical state of the Yuzhnoural'skaya SDPP reservoir** // Water Resources. – 2008. – V. 35. – № 6. – P. 686–700. doi:10.1134/S0097807808060080
46. Téllez A., Weiss V. U., Kenndler E. **An extended description of the effect of detergent monomers on migration in micellar electrokinetic chromatography** // Electrophoresis. – 2008. – V. 29. – № 18. – P. 3916–3923. doi:10.1002/elps.200800130
47. Vanifatova N. G., Zavarzina A. G., Ya. Spivakov B. Ya. **Potential of capillary zone electrophoresis for estimation of humate acid-base properties** // Journal of Chromatography A. – 2008. – V. 1183. – № 1–2. – P. 186–191. doi:10.1016/j.chroma.2008.01.004
48. Wang L., Li D., Bao C., You J., Wang Z., Shi Y., Zhang H. **Ultrasonic extraction and separation of anthraquinones from *Rheum palmatum* L.** // Ultrasonics – Sonochemistry. – 2008. – V. 15. – № 5. – P. 738–746. doi:10.1016/j.ultsonch.2007.12.008
49. Wei F., Feng Y.-Q. **Rapid determination of aristolochic acid I and II in medicinal plants with high sensitivity by cucurbit[7]uril-modifier capillary zone electrophoresis** // Talanta. – 2008. – V. 74. – № 4. – P. 619–624. doi:10.1016/j.talanta.2007.06.030
50. Wu Y., Xie J., Wang F., Chen Z. **Electrokinetic separation of peptides and proteins using a polyvinylamine-coated capillary with UV and ESI-MS detection** // Journal of Separation Science. – 2008. – V. 31. – № 5. – P. 814–823. doi:10.1002/jssc.200700518
51. Yang G., Zhao Y., Li M., Zhu Z., Zhuang Q. **Study on chiral resolution of three beta-blockers by affinity electrokinetic chromatography** // Talanta. – 2008. – V. 75. – № 1. – P. 222–226. doi:10.1016/j.talanta.2007.11.007
52. Ye J., Xiao M., Huang Y., Liu Q. **MECC determination of psoralen and isopsoralen in *Fructus Psoraleae*** // Chinese Journal of Pharmaceutical Analysis. – 2008. – V. 29. – № 9. – P. 1531–1534. (In Chinese).
53. Zavarzina A. G., Vanifatova N. G., Stepanov A. A. **Fractionation of humic acids according to their hydrophobicity, size, and charge-dependent mobility by the salting-out method** // Eurasian Soil Science. – 2008. – V. 41. – № 12. – P. 1294–1301. doi:10.1134/S1064229308120065
54. Zhou B., Wu Z., Li X., Zhang J., Hu X. **Analysis of ellagic acid in pomegranate rinds by capillary electrophoresis and high-performance liquid chromatography** // Phytochemical Analysis. – 2008. – V. 19. – № 1. – P. 86–89.
55. Давідовіч І. С., Антонюк Н. Г. **Аналіз хінолонів методом капілярного зонального електрофорезу з непрямим УФ-детектуванням** // Магістеріум. – 2008. – Вип. 33: Хімічні науки. – С. 24–28.
56. Чикета О. О., Побігай Г. А., Коновалова В. В., Бурбан А. Ф. **Імобілізація бактерицидних речовин на поверхні целюлозних мембран, модифікованих полігліцидилметакрилатом** // Доповіді Національної академії наук України. – 2008. – № 9. – С. 141–145.

2007

1. Chernov'yants M. S., Khokhlov E. V., Lykova E. O., Dolinkin A. O. **Electrophoretic determination of 1-methyl-2-mercaptoimidazole in the pharmaceutical preparation mercazolyl** // Journal of Analytical Chemistry. – 2007. – V. 62. – № 3. – P. 263–265. doi:10.1134/S1061934807030124
2. Demidova M. G., Bulavchenko A. I. **Spectrophotometric determination of sodium dodecyl sulfate with preconcentration by reversed micelles of Triton N-42** // Journal of Analytical Chemistry. – 2007. – V. 62. – № 1. – P. 31–36. doi:10.1134/S1061934807010078
3. Gavrilin M. V., Senchenko S. P., Gusov R. M. **Quantitative determination of vitexin-2-O-rhamnoside in common oats using HPLC and capillary electrophoresis** // Pharmaceutical Chemistry Journal. – 2007. – V. 41. – № 7. – P. 396–398. doi:10.1007/s11094-007-0085-3
4. Kartsova L. A., Popova A. M., Sidorova A. A., Markova O. I. **Evaluation of the stability con-**

- stants of acidic and basic organic substances with 18-crown-6 and β -cyclodextrin using capillary zone electrophoresis // *Journal of Analytical Chemistry*. – 2007. – V. 62. – № 2. – P. 179–183. doi:10.1134/S1061934807020141
5. Kartsova L. A., Strel'nikova E. G. **Determination of endo- and exogenous corticosteroids by cyclodextrin-modified micellar electrokinetic chromatography with the use of on-line preconcentration** // *Journal of Analytical Chemistry*. – 2007. – V. 62. – № 8. – P. 716–720. doi:10.1134/S1061934807080035
 6. Kozłowska J., Kozłowski C. A., Koziol J. J. **Transport of Zn(II), Cd(II), and Pb(II) across CTA plasticized membranes containing organophosphorous acids as an ion carriers** // *Separation and Purification Technology*. – 2007. – V. 57. – № 3. – P. 430–434. doi:10.1016/j.seppur.2006.04.011
 7. Kozłowski C. A., Walkowiak W. **Selective removal of Cu(II), Co(II), Zn(II), and Ni(II) with ionizable dibenzo-16-crown-5 and dibenzo-19-crown-6 lariat ethers as ion carriers in polymer inclusion membrane transport** // *Ars Separatoria Acta*. – 2007. – № 5. – P. 19–26.
 8. Liu H., Gao Y. **Determination of active components in Chinese medicinal preparations by capillary electrophoresis** // *Central European Journal of Chemistry*. – 2007. – V. 51. – № 1. – P. 221–229. doi:10.2478/s11532-006-0059-4
 9. Liu X., Shi X., Wang H., Guo Y., Meng C. **Application of capillary electrophoresis using discontinuous buffer system in bovine serum albumin analysis** // *Science Paper Online*. – 2007. – V. 2. – № 12. – P. 930–933. (In Chinese). doi:10.3969/j.issn.2095-2783.2007.12.014
 10. Martello R., Kolivoska V., Raggi M. A., Kenndler E. **CE of tricyclic antidepressant clomipramine and metabolites: Electromigration and wall adsorption** // *Electrophoresis*. – 2007. – V. 28. – № 20. – P. 3650–3657. doi:10.1002/elps.200700121
 11. Molina M. C., Cardeno A. V., Martinez J. R. M., Stashenko E. E. **Characterizacion de compuestos fenolicos por electroforesis capilar de la especie *Phyllanthus acuminatus* (Euphorbiaceae) y estudio de su actividad antioxidante** // *Scientia et Technica*. – 2007. – Ano XIII. – № 33. – P. 173–175. (In Spanish). URL <http://redalyc.uaemex.mx/redalyc/pdf/849/84903341.pdf>
 12. Pan X., Ruan X., Wang Y., Song J. **Simultaneous determination the contents of baicalin and gallic acid in Xiaoyankangjun tablets by HPCE** // *China Pharmacist*. – 2007. – V. 10. – № 11. – P. 1069–1070. (In Chinese). doi:10.3969/j.issn.1008-049X.2007.11.009
 13. Pan X., Ruan X., Wang Y., Zhang H. **Determination of baicalin in anti-inflammatory and anti-bacterial capsules by high performance capillary electrophoresis** // *Chinese Journal of Traditional Medical Science and Technology*. – 2007. – V. 14. – № 4. – P. 275–276. (In Chinese). doi:10.3969/j.issn.1005-7072.2007.04.025
 14. Rozhnova S. A., Gavrilin M. V., Senchenko S. P., Krikova A. B. **Use of capillary electrophoresis in studies of the pharmacokinetics of amlodipine besylate** // *Pharmaceutical Chemistry Journal*. – 2007. – V. 41. – № 8. – P. 444–446. doi:10.1007/s11094-007-0097-z
 15. Timerbaev A. R., Foteeva L. S., Rudnev A. V., Abramski J. K., Połeć-Pawlak K., Hartinger Chr. G., Jarosz M., Keppler B. K. **Probing the stability of serum protein-ruthenium(III) drug adducts in the presence of extracellular reductants using CE** // *Electrophoresis*. – 2007. – V. 28. – № 13. – P. 2235–2240. doi:10.1002/elps.200600707
 16. Timerbaev A. R., Vasylenko O. O., Foteeva L. S., Rudnev A. V., Semenova O., Keppler B. K. **Application of micellar and microemulsion electrokinetic chromatography for characterization of gallium(III) complexes of pharmaceutical significance** // *Journal of Separation Science*. – 2007. – V. 30. – № 3. – P. 399–406. doi:10.1002/jssc.200600305
 17. Wang X., Liu Y., Liu M., Dai Y., Zhou X., Huang K., Tang B., Geng J. **Content determination of metronidazole in metronidazole beclometasone cream by high performance capillary electrophoresis** // *Journal of Yunyang Medical College*. – 2007. – V. 26. – № 6. – P. 348–352. (In Chinese). doi:10.3969/j.issn.1006-9674.2007.06.007
 18. Wang Y., Pan X., Ruan X., Zhang H. **Determination of the content of baicalin in Xiaoyankangjun tablets by HPCE** // *Chinese Journal of Experimental Traditional Medical Formulae*. – 2007. – V.

13. – № 1. – P. 8–9. (*In Chinese*). doi:10.7501/j.issn.0253-2670.2007.7.019
19. Wei F., Zhang M., Feng Y.-Q. **Combining poly (methacrylic acid-co-ethylene glycol dimethacrylate) monolith microextraction and on-line pre-concentration-capillary electrophoresis for analysis of ephedrine and pseudoephedrine in human plasma and urine** // *Journal of Chromatography B*. – 2007. – V. 850. – № 1–2. – P. 38–44. doi:10.1016/j.jchromb.2006.10.060
20. Xiao M., Ye J., Huang Y., Liu Q. **MECC determination of ursolic acid and oleanolic acid in leaf of *Eriobotrya japonica*** // *Chinese Journal of Pharmaceutical Analysis*. – 2007. – V. 27. – № 5. – P. 724–727. (*In Chinese*).
21. Маркіна М. В., Вяткін О. К., Ляшенко В. П., Руденко А. І. **Дослідження катіонного складу слини у людей із порушеннями діяльності шлунко-вокишкового тракту** // *Вісник Дніпропетровського університету. Біологія. Екологія*. – 2007. – Т. 15. – Вип. 1. – С. 91–95.
- 2006**
1. Cheng W., Mei J., Xiao Y. **Study on the fingerprints of herba *Glechomae* by high performance capillary electrophoresis** // *Amino Acids & Biotic Resources*. – 2006. – V. 28. – № 2. – P. 7–11. (*In Chinese*). doi:10.3969/j.issn.1006-8376.2006.02.002
2. Du L., Wang W., Li B., Li J., Wen J. **Separation of 2-(9-anthryl)-2-hydroxyacetic acid enantiomers by capillary electrophoresis** // *Analytical Science*. – 2006. – V. 22. – № 2. – P. 202–204. (*In Chinese*). doi:10.3969/j.issn.1006-6144.2006.02.023
3. Huang X., Lin Z., Xie Z. **Determination of methyltestosterone with capillary electrophoresis** // *Journal of Minjiang University*. – 2006. – V. 27. – № 2. – P. 92–94. (*In Chinese*). doi:10.3969/j.issn.1009-7821.2006.02.024
4. Jin L., Xi H., Zhang D. **Determination of oxymatrine contents by capillary electrophoresis in Guangzao San Wei capsule** // *Journal of Inner Mongolia University for Nationalities*. – 2006. – V. 21. – № 5. – P. 513–515. (*In Chinese*). doi:10.3969/j.issn.1671-0185.2006.05.011
5. Kartsova L. A., Ganzha O. V. **Electrophoretic separation of tea flavanoids in the modes of capillary (zone) electrophoresis and micellar electrokinetic chromatography** // *Russian Journal of Applied Chemistry*. – 2006. – V. 79. – № 7. – P. 1110–1114. doi:10.1134/S1061934806010035
6. Lu Y., Hua Y., Wang Y., Yuan Z. **Rapid determination of genistin, genistein, kaempferol and rutin by capillary zone electrophoresis modified by β -cyclodextrin** // *Physical Testing and Chemical Analysis. Part B: Chemical Analysis*. – 2006. – V. 42. – № 10. – P. 800–802 (*In Chinese*). doi:10.3321/j.issn:1001-4020.2006.10.005
7. Mazanek M., Kaml I., Kenndler E. **Capillary electrophoresis: an alternative to chromatography for analysis of natural organic binders** // *Studies in Conservation*. – 2006. – V. 51. – № 2. – P. 139–151. URL <http://www.jstor.org/stable/20619437>
8. Morosanova E., Fomina S., Zolotov Yu., Christian G. D. **Electrophoretically mediated microanalysis based on azocoupling reaction for determination of phenols** // *Jordan Journal of Chemistry*. – 2006. – V. 1. – № 1. – P. 75–84. URL <http://repository.yu.edu.jo/bitstream/handle/123456789/552885/Vol1No1-9.pdf?sequence=1>
9. Pan X., Wang Y., Lei X. **Determination of the content of the gallic acid in the Xiaoyankang-jun tablets by HPCE** // *China Journal of Hospital Pharmacy*. – 2006. – V. 26. – № 4. – P. 424–426. (*In Chinese*). doi:10.3321/j.issn:1001-5213.2006.04.026
10. Pankratova L. N., Rudnev A. V. **Radiation-chemical processes in polyorganosiloxanes** // *High Energy Chemistry*. – 2006. – V. 40. – № 3. – P. 154–157. doi:10.1134/S0018143906030052
11. Rudnev A. V., Dzherayan T. G. **Determination of polyhexamethyleneguanidine by capillary electrophoresis** // *Journal of Analytical Chemistry*. – 2006. – V. 61. – № 10. – P. 1002–1006. doi:10.1134/S1061934806100091
12. Rudnev A. V., Foteeva L. S., Kowol Chr., Berger R., Jakupec M. A., Arion V. B., Timerbaev A. R., Keppler B. K. **Preclinical characterization of anticancer gallium(III) complexes: Solubility, stability, lipophilicity and binding to serum proteins** // *Journal of Inorganic Biochemistry*. – 2006. – V. 100. – № 11. – P. 1819–1826. doi:10.1016/j.jinorgbio.2006.07.003

13. Song J., Li Y., Dai J., Zheng J. **Determination of two components in compound sulfamethoxazole suspension by capillary zone electrophoresis** // China Journal of Hospital Pharmacy. – 2006. – V. 26. – № 12. – P. 1494–1497. (*In Chinese*). doi:10.3321/j.issn:1001-5213.2006.12.018
14. Stepanov K. V., Pirogov A. V., Shpigun O. A. Identification of the electrophoretic peaks of the phenylthiohydantoin derivatives of amino acids // Journal of Analytical Chemistry. – 2006. – V. 61. – № 1. – P. 6–13. doi:10.1134/S1061934806010035
15. Wang Y. L., Hu Z. B., Yuan Z. B. **Ionic liquid and HP- β -CD modified capillary zone electrophoresis to separate hyperoside, luteolin and chlorogenic acid** // Chinese Chemical Letters. – 2006. – V. 17. – № 2. – P. 231–234. URL: <http://www.cnki.com.cn/Article/CJFDTOTAL-FXKB200602026.htm>
16. Xiao Y., Liao X., Mei J., Cheng W. **Separation and analysis of non-steroidal anti-inflammatory drugs by nonaqueous capillary electrophoresis** // Chinese Journal of Modern Applied Pharmacy. – 2006. – V. 23. – № 6. – P. 480–482. (*In Chinese*). doi:10.3969/j.issn.1007-7693.2006.06.020
17. Xiao Y., Mei J., He X., Cheng W. **Fractionation and high performance capillary electrophoretic analysis of phospholipids** // Chinese Journal of Chromatography. – 2006. – V. 24. – № 1. – P. 30–34. doi:10.1016/S1872-2059(06)60003-5
18. Xiao Y., Mei J., He X., Cheng W. **Fractionation and high performance capillary electrophoretic analysis of phospholipids** // Chinese Journal of Chromatography. – 2006. – V. 24. – № 1. – P. 30–34. (*In Chinese*). doi:10.3321/j.issn:1000-8713.2006.01.008
19. Zhang M., Wei F., Zhang Y. F., Nie J., Feng Y. Q. **Novel polymer monolith microextraction using a poly(methacrylic acid-ethylene glycol dimethacrylate) monolith and its application to simultaneous analysis of several angiotensin II receptor antagonists in human urine by capillary zone electrophoresis** // Journal of Chromatography A. – 2006. – V. 1102. – № 1–2. – P. 294–301. doi:10.1016/j.chroma.2005.10.057
20. Zhang Z., Yang Y. **Preparation and evaluation of open-tubular capillary electrochromatography column with the poly(amidoamine) (PAMAM) dendrimers as bonded stationary phase** // Chemical Journal of Chinese Universities. – 2006. – V. 27. – № 1. – P. 45–51. (*In Chinese*). doi:10.3321/j.issn:0251-0790.2006.01.010
21. Коновалова В. В., Дмитренко Г. М., Бурбан А. Ф., Брик М. Т., Сокур І. Ю. **Послідовність відновлення хрому (VI) та нітрату в мембранному біореакторі** // Магістеріум. – 2006. – Вип. 24: Хімічні науки. – С. 14–20.

2005

1. Bekasova O. D., Brekhovskikh A. A., Brykina G. D., Dubinchuk B. T., Mochalova V. S., Kotel'nikov A. S. **R-Phycocerythrin: A natural ligand for detoxifying cadmium ions and a tunnel matrix for synthesis of cadmium sulfide nanoparticles** // Applied Biochemistry and Microbiology. – 2005. – V. 41. – № 3. – P. 269–274. doi:10.1007/s10438-005-0046-0
2. Du L., Li B., Wang W., Li J., Wen J. **Chiral separation of 2-(9-anthryl)-2-hydroxyacetic acid enantiomers by capillary electrophoresis** // Fenxi Ceshi Xuebao (Journal of Instrumental Analysis). – 2005. – V. 24. – № 6. – P. 113–115. (*In Chinese*). doi:10.3969/j.issn.1004-4957.2005.06.029
3. Gröbl M., Harrison S., Kaml I., Kenndler E. **Characterisation of natural polysaccharides (plant gums) used as binding media for artistic and historic works by capillary zone electrophoresis** // Journal of Chromatography A. – 2005. – V. 1077. – № 1. – P. 80–89. doi:10.1016/j.chroma.2005.04.075
4. Kharitonova T. V., Ivanova N. I., Summ B. D. **Adsorption of cationic and nonionic surfactants on a SiO₂ surface from aqueous solutions: 2. Adsorption of dodecylpyridinium bromide and Triton X-100 from mixed solutions** // Colloid Journal. – 2005. – V. 67. – № 2. – P. 249–255. doi:10.1007/s10595-005-0088-2
5. Li Q., Wang Q., Chen J. **Separation and determination of metal ions in tea water by capillary electrophoresis** // Technology of Tea Science. – 2005. – № 4. – P. 12–15. (*In Chinese*). doi:10.3969/j.issn.1007-4872.2005.04.005
6. Lu Y., Li X., Wang Y., Yuan Z. **Determination of acacetin, luteolin and quercetin in *Chrysanthemum indicum* L by β -cyclodextrin modified capillary zone electrophoresis** // Physical

- Testing and Chemical Analysis. Part B: Chemical Analysis. – 2005. – V. 41. – № 7. – P. 464–467. (*In Chinese*). doi:10.3321/j.issn:1001-4020.2005.07.003
7. Rudnev A. V., Aleksenko S. S., Semenova O., Hartinger Chr. G., Timerbaev A. R., Keppler B. K. **Determination of binding constants and stoichiometries for platinum anticancer drugs and serum transport proteins by capillary electrophoresis using the Hummel-Dreyer method** // Journal of Separation Science. – 2005. – V. 28. – № 2. – P. 121–127. doi:10.1002/jssc.200401930
8. Timerbaev A. R., Rudnev A. V., Semenova O., Hartinger Ch. G., Keppler B. K. **Comparative binding of antitumor indazolium [*trans*-tetrachlorobis(1*H*-indazole)ruthenate(III)] to serum transport proteins assayed by capillary zone electrophoresis** // Analytical Biochemistry. – 2005. – V. 341. – № 2. – P. 326–333. doi:10.1016/j.ab.2005.03.020
9. Wang L. C., Cao Y. H., Xing X. P., Ye J. N. **Fingerprint studies of *Radix Scutellariae* by capillary electrophoresis and high performance liquid chromatography** // Chromatographia. – 2005. – V. 62. – № 5–6. – P. 283–288. doi:10.1365/s10337-005-0624-6
10. Wang Y., Lu Y., Yuan Z., Hu Z. **Determination of apigenin, luteolin and isoquercetin by capillary zone electrophoresis** // Physical Testing and Chemical Analysis. Part B: Chemical Analysis. – 2005. – V. 41. – № 8. – P. 544–546. (*In Chinese*). doi:10.3321/j.issn:1001-4020.2005.08.002
11. Wei F., Fan Y., Zhang M., Feng Y.-Q. **Poly(methacrylic acid-ethylene glycol dimethacrylate) monolith in-tube solid-phase microextraction applied to simultaneous analysis of some amphetamine derivatives in urine by capillary zone electrophoresis** // Electrophoresis. – 2005. – V. 26. – № 16. – P. 3141–3150. doi:10.1002/elps.200500043
12. Wei F., Liu S.-M., Xu L., Cheng G.-Z., Wu C.-T., Feng Y.-Q. **The formation of cucurbit[*n*]uril (*n* = 6, 7) complexes with amino compounds in aqueous formic acid studied by capillary electrophoresis** // Electrophoresis. – 2005. – V. 26. – № 11. – P. 2214–2224. doi:10.1002/elps.200410260
13. Zhou B., Zhang J., Wu Z., Li X., Liu C. **Content determination of ellagic acid in granati cortex by HPCE** // China Pharmacy. – 2005. – V. 16. – № 24. – P. 1893–1894. (*In Chinese*). doi:10.3969/j.issn.1001-0408.2005.24.023
14. Zhou X., Ding L., Wang Z., Bai L., Zheng J., Tian Y., Zheng J., Zhang H. **Extraction of quercetin from *Rhizoma alpiniae Officinarum* via ultrasonic nebulization technique** // Journal of Jilin University (Science Edition). – 2005. – V. 43. – № 2. – P. 232–235. (*In Chinese*). doi:10.3321/j.issn:1671-5489.2005.02.024
15. Zhou X., Wang Z.-M., Zheng J., Zhao L.-W., Liu Z.-Y., Li X.-W., Bi S., Yan G.-Q., Zhang H.-Q. **Determination of quercetin in Chinese herbal medicine by capillary electrophoresis** // Chemical Journal of Chinese Universities. – 2005. – V. 26. – № 4. – P. 657–659. (*In Chinese*). doi:10.3321/j.issn:0251-0790.2005.04.042
-
- ## 2004
-
1. Budanova N., Shapovalova E., Lopatin S., Varlamov V., Shpigun O. **Heptakis(6-amino-6-deoxy)- β -cyclodextrin as a chiral selector for the separation of anionic analyte enantiomers by capillary electrophoresis** // Electrophoresis. – 2004. – V. 25. – № 16. – P. 2795–2800. doi:10.1002/elps.200405970
2. Cao Y. H., Wang Y., Yuan Q. **Analysis of flavonoids and phenolic acid in propolis by capillary electrophoresis** // Chromatographia. – 2004. – V. 59. – № 1–2. – P. 135–140. doi:10.1365/s10337-003-0138-z
3. **Chernovyants M. S., Simonyan S. S. Electrophoretic separation and quantitative determination of halides and iodohalides of the choline series** // Journal of Analytical Chemistry. – 2004. – V. 59. – № 6. – P. 571–572. doi:10.1023/B:JANC.0000030881.73183.4b
4. **Kartsova L. A., Bessonova E. A., Sidorova A. A., Kazakov V. A., Tveryanovich I. A., Velikanova L. I. Determination of catecholamines by capillary electrophoresis-mass spectrometry** // Russian Journal of Applied Chemistry. – 2004. – V. 77. – № 7. – P. 1150–1155. doi:10.1023/B:RJAC.0000044165.62665.85
5. Kharitonova T., Ivanova N., Rudnev A. **Capillary zone electrophoresis for surfactant analysis in**

- aqueous media** // Progress in Colloid and Polymer Science. – 2004. – V. 125. – P. 184–188. doi:10.1007/b13435
6. Komarova N. V., Kamentsev J. S., Solomonova A. P., Anufrieva R. M. **Determination of amino acids in fodders and raw materials using capillary zone electrophoresis** // Journal of Chromatography B. – 2004. – V. 800. – № 1–2. – P. 135–143. doi:10.1016/j.jchromb.2003.08.052
 7. Komarova N. V., Kartsova L. A. **Factors responsible for the electrophoretic behavior of carboxylic acid and triazine derivatives under conditions of capillary zone electrophoresis and micellar electrokinetic chromatography** // Journal of Analytical Chemistry. – 2004. – V. 59. – № 7. – P. 662–668. doi:10.1023/B:JANC.0000035280.05830.a7
 8. Lu Y., Wang Y., Yuan X. **Determination of acacetin, luteolin and quercetin in *Chrysanthemum indicum* L by β -CD modified capillary electrophoresis** // Life Science Instruments. – 2004. – V. 2. – № 5. – P. 38–39. (In Chinese). doi:10.3969/j.issn.1671-7929.2004.05.011
 9. Medvedeva O. M., Kurakina V. S., Dmitrienko S. G., Tikhomirova T. I., Shpigun O. A. **Separation and determination of phenolcarboxylic acids by capillary zone electrophoresis with dynamic preconcentration on hypercrosslinked polystyrene** // Journal of Analytical Chemistry. – 2004. – V. 59. – № 7. – P. 669–676. doi: 10.1023/B:JANC.0000035281.21489.16
 10. Patsovskii A. P., Rudometova N. V., Kamentsev Ya. S. **Electrophoretic determination of synthetic dyes in alcoholic beverages** // Journal of Analytical Chemistry. – 2004. – V. 59. – № 2. – P. 150–154. doi:10.1023/B:JANC.0000014742.00764.0b
 11. Vinsova H., Konirova R., Koudelkova M., Jednakova-Krizova V. **Sorption of technetium and rhenium on natural sorbents under aerobic conditions** // Journal of Radioanalytical and Nuclear Chemistry. – 2004. – V. 261. – № 2. – P. 407–413. doi:10.1023/B:JRNC.0000034878.72774.53
 12. Wang Y., Cao Y. **Determination of liquiritigenin and isoliquiritigenin in Glycyrrhiza samples by capillary electrophoresis** // Journal of Instrumental Analysis. – 2004. – V. 23. – № 4. – P. 104–106 (In Chinese). doi:10.3969/j.issn.1004-4957.2004.04.031
 13. Zhang L., Liu Y., Chen G. **Simultaneous determination of allantoin, choline and L-arginine in *Rhizoma Dioscoreae* by capillary electrophoresis** // Journal of Chromatography A. – 2004. – V. 1043. – № 2. – P. 317–321. doi:10.1016/j.chroma.2004.06.003
-
- 2003
1. Fan R., Shi X., Gu J., Fu R. **Chiral separation using the mixture of carboxymethyl- β -cyclodextrin and β -cyclodextrin polymer as chiral additive by capillary electrophoresis** // Fenxue Huaxue – Chinese Journal of Analytical Chemistry. – 2003. – V. 31. – № 5. – P. 559–561. (In Chinese). doi:10.3321/j.issn:0253-3820.2003.05.011
 2. Fan R., Shi X., Gu J., Fu R. **Chiral separation of verapamil and bupivacaine by capillary electrophoresis** // Fenxue Huaxue – Chinese Journal of Analytical Chemistry. – 2003. – V. 31. – № 6. – P. 706–708. (In Chinese). doi:10.3321/j.issn:0253-3820.2003.06.016
 3. Ivanova M., Piunti A., Marziali E., Komarova N., Raggi M. A., Kenndler E. **Microemulsion electrokinetic chromatography applied for separation of levetiracetam from other antiepileptic drugs in polypharmacy** // Electrophoresis. – 2003. – V. 24. – № 6. – P. 992–998. doi:10.1002/elps.200390143
 4. Kartsova L. A., Komarova N. V. **Influence of α - and β -cyclodextrins on the separation of positional isomers of benzoic acid nitro, amino, chloro, and hydroxy derivatives by capillary electrophoresis** // Journal of Analytical Chemistry. – 2003. – V. 58. – № 10. – P. 972–978. doi:10.1023/A:1026187919126
 5. Kharitonova T. V., Rudnev A. V., Ivanova N. I. **Quantitative determination of cationic and non-ionic surfactants in aqueous solutions of their mixtures by capillary zone electrophoresis** // Colloid Journal. – 2003. – V. 65. – № 2. – P. 244–247. doi:10.1023/A:1023385612778
 6. Komarova N. V., Kartsova L. A. **Determination of herbicides of the chlorophenoxy-carboxylic acid type in natural and drinking water by capillary zone electrophoresis** // Russian Journal of Applied Chemistry. – 2003. – V. 76. – № 2. – P. 238–243. doi:10.1023/A:1024646411409

7. Komarova N. V., Kartsova L. A. **Determination of s-triazine herbicides by micellar electrokinetic chromatography using sodium dodecyl sulfate** // Journal of Analytical Chemistry. – 2003. – V. 58. – № 8. – P. 785–789. doi:10.1023/A:1025099930530
8. Koudelková M., Jedináková-Křížová V. **Capillary electrophoretic and thin-layer chromatographic characterization of rhenium complexation with 1-hydroxyethylidenediphosphonic acid** // Journal of Chromatography A. – 2003. – V. 990. – № 1–2. – P. 317–323. doi:10.1016/S0021-9673(02)01798-3
9. Li F., Zhou D., Guo X. **Study on the protein binding of ketoprofen using capillary electrophoresis frontal analysis compared with liquid chromatography frontal analysis** // Journal of Chromatographic Science. – 2003. – V. 41. – № 3. – P. 137–141. doi:10.1093/chromsci/41.3.137
10. Manaenkov O. V., Sidorov A. I., Sul'man É. M. **Quantitative determination of metronidazole by capillary band electrophoresis with UV detection** // Pharmaceutical Chemistry Journal. – 2003. – V. 37. – № 11. – P. 612–613. doi:10.1023/B:PHAC.0000016076.03229.67
11. Manaenkov O. V., Sidorov A. I., Sul'man E. M. **Rapid determination of amino acids by capillary electrophoresis without preliminary derivatization** // Journal of Analytical Chemistry. – 2003. – V. 58. – № 10. – P. 979–982. doi:10.1023/A:1026140003197
12. Markova O. I., Nikitina T. G., Krasheninikov A. A., Andreev V. P. **Separation of heavy metal cations in electrophoretically mediated microanalysis** // Journal of Analytical Chemistry. – 2003. – V. 58. – № 7. – P. 650. doi:10.1023/A:1024719028055
13. Pirogov A. V., Shpak A. V., Shpigun O. A. **Application of polyelectrolyte complexes as novel pseudo-stationary phases in MEKC** // Analytical and Bioanalytical Chemistry. – 2003. – V. 375. – № 8. – P. 1199–1203. doi:10.1007/s00216-003-1812-6
14. Pirogov A. V., Stepanov K. V., Shpigun O. A. **Changing the electrophoretic mobility of phenols using ionenes as additives in the buffer electrolyte** // Journal of Analytical Chemistry. – 2003. – V. 58. – № 5. – P. 478–484. doi:10.1023/A:1024086316240
15. Porras S. P., Marziali E., Gaš B., Kenndler E. **Influence of solvent on temperature and thermal peak broadening in capillary zone electrophoresis** // Electrophoresis. – 2003. – V. 24. – № 10. – P. 1553–1564. doi:10.1002/elps.200305437
16. Shpak A. V., Pirogov A. V., Shpigun O. A. **Determination of amino acids by capillary electrophoresis without preliminary derivatization** // Journal of Analytical Chemistry. – 2003. – V. 58. – № 7. – P. 649. doi:10.1023/A:1024714927146
-
- 2002
1. Komarova N. V., Kartsova L. A. **Optimizing separation conditions for chlorophenoxycarboxylic acid herbicides in natural and potable water using capillary zone electrophoresis** // Journal of Analytical Chemistry. – 2002. – V. 57. – № 7. – P. 644–650. doi:10.1023/A:1016294404942
2. Marziali E., Raggi M. A., Komarova N., Kenndler E. **Octakis-6-sulfato- γ -cyclodextrin as additive for capillary electrokinetic chromatography of dibenzoazepines: carbamazepine, oxcarbamazepine and their metabolites** // Electrophoresis. – 2002. – V. 23. – № 17. – P. 3020–3026. doi:10.1002/1522-2683(200209)23:17<3020::AID-ELPS3020>3.0.CO;2-#
3. Yao Q., Zhang P., Xion G J., Zheng Y., Shi X., Xu G. **Development of capillary electrophoretic method for determination of the inorganic anions in the ash of black powder** // Chinese Journal of Chromatography. – 2002. – V. 20. – № 3. – P. 227–229. (In Chinese). doi:10.3321/j.issn:1000-8713.2002.03.009
-
- 2000
1. Fan R.-F., Shi X.-Y., Gu J.-L., Deng Y.-L., Fu R.-N. **The separation of three basic drugs with carboxymethyl-poly- β -cyclodextrin as chiral additive by capillary electrophoresis** // Chinese Journal of Chromatography. – 2000. – V. 18. – № 4. – P. 357–360. (In Chinese). doi:10.3321/j.issn:1000-8713.2000.04.021
2. Fan R., Shi X., Gu J., Deng Y., Li G., Fu R. **Quality control of Chinese traditional medicine *Aconitum sinomontanum* Nakai by capillary electro-**

phresis // Chinese Journal of Analytical Chemistry.
– 2000. – V. 28. – № 6. – P. 720–722. (*In Chinese*).
doi:10.3321/j.issn:0253-3820.2000.06.015

3. Shi X., Fan R., Zhang Y., Gu J., Fu R. **Synthesis and characterization of water-soluble carboxymethyl-cyclodextrin polymer as capillary electrophoresis chiral selector** // Chinese Chemical Letters. – 2000. – V. 11. – № 1. – P. 69–70. URL: http://d.g.wanfangdata.com.cn/Periodical_zg-hxkb200001024.aspx



Центральный офис «ЛЮМЭКС»:
ООО «ЛЮМЭКС-МАРКЕТИНГ»

192029, Санкт,Петербург, пр. Обуховской обороны, 70, корп. 2
Тел.: +7 (812) 718,5390, 718,5391
факс: +7 (812) 718,6865

Эл. почта: lumex@lumex.ru

Почтовый адрес: 190000 Санкт,Петербург, BOX 1234

Московское отделение «ЛЮМЭКС»:
ООО «ЛЮМЭКС-ЦЕНТРУМ»

117246, Москва, Научный проезд, 20,
строение 3, 6 этаж
Тел.: (495) 981–5449

Эл. почта: byl@lumex.ru