



PRODUCTS | APPLICATIONS | SUPPORT



Lumex Instruments

CAPEL CAPILLARY ELECTROPHORESIS SYSTEMS

List of selected publications. 2000–2019

2019

01. He M., Luo P., Hong J., Wang X., Wu H., Zhang R., Qu F., Xiang Y., Xu W. **Structural analysis of biomolecules through a combination of mobility capillary electrophoresis and mass spectrometry** // ACS Omega. – 2019. – V. 4. – No. 1. – P. 2377–2386. doi:10.1021/acsomega.8b03224
02. Huang L., Lin Q., Li Y., Zheng G., Chen, Y. **Study of the enantioselectivity and recognition mechanism of sulfhydryl-compound-functionalized gold nanochannel membranes** // Analytical and Bioanalytical Chemistry. – 2019. – V. 411. – No. 2. – P. 471–478. doi:10.1007/s00216-018-1464-1
03. Lancioni C., Keunchkarian S., Castells C. B., Gagliardi L. G. **Determination of thermodynamic binding constants by affinity capillary electrophoresis** // Talanta. – 2019. – V. 192. – P. 448–454. doi:10.1016/j.talanta.2018.09.044
04. Pereverzeva E., Treschalin I., Treschalin M., Arantseva D., Ermolenko Yu., Kumskova N., Maksimenko O., Balabanyan V., Kreuter J., Gelperina S. **Toxicological study of doxorubicin-loaded PLGA nanoparticles for the treatment of glioblastoma** // International Journal of Pharmaceutics. – 2019. – V. 554. – P. 161–178. doi:10.1016/j.ijpharm.2018.11.014
05. Polkovnikova Y. A., Koryanova K. N., Slivkin A. I., Tul'skaya U. A., Senchenko S. P. **Development and validation of a quantitative determination technique for phenibut in microcapsules** // Pharmaceutical Chemistry Journal. – 2019. (First Online). doi:10.1007/s11094-018-1904-4
06. Popovicheva O., Diapouli E., Makshatas A., Shonija N., Manousakas M., Saraga D., Uttal T., Eleftheriadis K. **East Siberian Arctic background and black carbon polluted aerosols at HMO Tiksi** // Science of The Total Environment. – 2019. – V. 655. – P. 924–938. doi:10.1016/j.scitotenv.2018.11.165

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03. Chalavi S., Fakhari A. R., Nojavan S., Mirzaei P. **Evaluation of the synergistic effect with amino acids for enantioseparation of basic drugs using capillary electrophoresis** // Electrophoresis. – 2018. – V. 39. – No. 17. – P. 2202–2209. doi:10.1002/elps.201800128
04. Chalavi S., Fakhari A. R., Nojavan S. **Development of a modified partial filling method in capillary electrophoresis using two chiral plugs for the simultaneous enantioseparation of chiral drugs: Comparison with mixed chiral selector capillary electrophoresis** // Journal of Chromatography A. – 2018. – V. 1567. – P. 211–218. doi:10.1016/j.chroma.2018.06.052
05. Chen Z., Liu L., Yi Y., Chen G. **The determination of nitrofuran drug residue in aquatic products with the modified nanoparticles enrichment-capillary electrophoresis method** // Chinese Journal of Analysis Laboratory. – 2018. – V. 37. – No. 8. – P. 760–764. (In Chinese).
06. Fakhari A. R., Mohammadi Kosalar H., Asadi S., Hasheminasab K. S. **Surfactant-assisted electromembrane extraction combined with cyclodextrin-modified capillary electrophoresis for the separation and quantification of Tranilcypromine enantiomers in biological samples** // Journal of Separation Science. – 2018. – V. 41. – No. 2. – P. 475–482. doi:10.1002/jssc.201700488
07. González J. A., Bafico J. G., Villanueva M. E., Giorgieri S. A., Copello G. J. **Continuous flow adsorption of ciprofloxacin by using a nanostructured chitin/graphene oxide hybrid material** // Carbohydrate Polymers. – 2018. – V. 188. – P. 213–220. doi:10.1016/j.carbpol.2018.02.021
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