

Aggregation of phosphate and 1-tetradecyl-3-methylimidazolium chloride background electrolytes during micellar electrokinetic chromatography

Kazarjan, Jana; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2015 / p. 1040–1042 : ill <https://doi.org/10.1002/elps.201400448>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Capacitance-to-digital: A single chip detector for capillary electrophoresis

Drevinskas, Tomas; Kaljurand, Mihkel; Maruška, Audrius Electrophoresis 2014 / p. 2401-2407 : ill
<https://doi.org/10.1002/elps.201300468> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Capillary electrophoretic analysis of neutral carbohydrates using ionic liquids as background electrolytes

Vaher, Merike; Koel, Mihkel; Kazarjan, Jana; Kaljurand, Mihkel Electrophoresis 2011 / 9, p. 1068-1073 : ill

CE separation of various analytes of biological origin using polyether ether ketone capillaries and contactless conductivity detection

Knjazeva, Tatjana; Kulp, Maria; Kaljurand, Mihkel Electrophoresis 2009 / p. 424-430 https://www.researchgate.net/profile/Mihkel-Kaljurand/publication/23995365_CE_separation_of_various_analytes_of_biological_origin_using_polyether_ether_ketone_capillaries_and_contactless_conductivity_detection/links/5e50f603299bf1c9b93cf3a5/CE-separation-of-various-analytes-of-biological-origin-using-polyether-ether-ketone-capillaries-and-contactless-conductivity-detection.pdf

Characterization of the antioxidative activity of novel nontoxic neuropeptides by using capillary electrophoresis

Vaher, Merike; Viirlaid, Sade; Ehrlich, Kersti; Mahlapuu, Riina; Jarvet, Jüri; Soomets, Ursel; Kaljurand, Mihkel Electrophoresis 2006 / 13, p. 2582-2589 : ill

Comparison of the contents of various antioxidants of sea buckthorn berries using CE

Gorbatšova, Jelena; Lõugas, Tiina; Vokk, Raivo; Kaljurand, Mihkel Electrophoresis 2007 / p. 4136-4142 : ill

Compensation of the baseline temperature fluctuations for autonomous CE–C4D instrument working in harsh environments

Drevinskas, Tomas; Telksnys, Laimutis; Maruška, Audrius; Gorbatšova, Jelena; Kaljurand, Mihkel Electrophoresis 2018 / p. 2877–2883 : ill <https://doi.org/10.1002/elps.201800132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of γ -hydroxybutyric acid in saliva by capillary electrophoresis coupled with contactless conductivity and indirect UV absorbance detectors

Mazina, Jekaterina; Saar-Reismaa, Piret; Kulp, Maria; Kaljurand, Mihkel; Vaher, Merike Electrophoresis 2015 / p. 3042-3049 : ill <https://doi.org/10.1002/elps.201500293> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development and comparison of HPLC and MEKC methods for the analysis of cyclic sulfur mustard degradation products

Lees, Heidi; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2017 / p. 1075-1082 : ill <https://doi.org/10.1002/elps.201600418>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a capillary electrophoresis method with direct UV detection for the analysis of thiodiglycol and its oxidation products

Jõul, Piia; Lees, Heidi; Vaher, Merike; Kobrin, Eeva-Gerda; Kaljurand, Mihkel; Kuhtinskaja, Maria Electrophoresis 2015 / p. 1202-1207 : ill <https://doi.org/10.1002/elps.201500038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Digital microfluidics platform for interfacing solid-liquid extraction column with portable capillary electropherograph for analysis of soil amino acids

Gorbatšova, Jelena; Jaanus, Martin; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2016 / p. 472-475 : ill
<https://doi.org/10.1002/elps.201500284> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrowetting on dielectric actuation of droplets with capillary electrophoretic zones for MALDI mass spectrometric analysis

Gorbatšova, Jelena; Borissova, Maria; Kaljurand, Mihkel Electrophoresis 2012 / p. 2682-2688 : ill
<https://pubmed.ncbi.nlm.nih.gov/22965712/>

Enantioselective CE analysis of hepatic ketamine metabolism in different species in vitro

Schmitz, Andrea; Thormann, Wolfgang; Moessner, Lone; Theurillat, Regula; Helmja, Kati; Mevissen, Meike Electrophoresis 2010 / 9, p. 1506-1516 : ill <https://pubmed.ncbi.nlm.nih.gov/20358543/>

Evaluation of antioxidative capability of the tomato (*Solanum lycopersicum*) skin constituents by capillary electrophoresis and high-performanced liquid chromatography

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Raudsepp, Piret; Kaljurand, Mihkel Electrophoresis 2008 / p. 3980-3988 : ill
<https://pubmed.ncbi.nlm.nih.gov/18958890/>

Evaluation of the free radical scavenging capability of wheat extracts by capillary electrophoresis and multivariate curve resolution

Helmja, Kati; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2011 / 9, p. 1094-1100 : ill

Fingerprinting postblast explosive residues by portable capillary electrophoresis with contactless conductivity detection

Kobrin, Eeva-Gerda; Lees, Heidi; Fomitšenko, Maria; Kuban, Petr; Kaljurand, Mihkel Electrophoresis 2014 / p. 1165-1172 : ill

<https://doi.org/10.1002/elps.201300380> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Head column field-amplified stacking from the flow : stabilization of the sample plug position by using backpressure

Kuldvee, Ruth; Kuban, Petr; Vunder, Kadri; Kaljurand, Mihkel Electrophoresis 2000 / 14, p. 2879-2885 : ill

<https://pubmed.ncbi.nlm.nih.gov/11001298/>

Heteroconjugation-based capillary electrophoretic separation of phenolic compounds in acetonitrile and propylene carbonate

Kuldvee, Ruth; Vaher, Merike; Koel, Mihkel; Kaljurand, Mihkel Electrophoresis 2003 / p. 1627-1634 : ill

https://www.researchgate.net/publication/10747352_Heteroconjugation-Based_Capillary_Electrophoretic_Separation_of_Phenolic_Compounds_in_Acetonitrile_and_Propylene_Carbonate

In situ monitoring of kinetics of metabolic conversion of ATP to ADP catalyzed by MgATPases of muscle Gastrocnemius skinned fibers using micellar electrokinetic chromatography

Kulp, Maria; Kaljurand, Mihkel; Käämbre, Tuuli; Sikk, Peeter; Saks, Valdur Electrophoresis 2004 / 17, p. 2996-3002 : ill

<https://pubmed.ncbi.nlm.nih.gov/15349940/>

Ionic liquids as electrolytes for nonaqueous capillary electrophoresis

Vaher, Merike; Koel, Mihkel; Kaljurand, Mihkel Electrophoresis 2002 / p. 426-430 : ill

Non-aqueous capillary electrophoretic separation of polyphenolic compounds in wine using coated capillaries at high pH in methanol

Demjanova, Z.; Siren, H.; Kuldvee, Ruth; Riekkola, Marja-Liisa Electrophoresis 2003 / p. 4261-4271

<https://pubmed.ncbi.nlm.nih.gov/14679573/>

Nonaqueous CE using contactless conductivity detection and ionic liquids as BGEs in ACN

Borissova, Maria; Gorbatšova, Jelena; Ebber, Arkadi; Kaljurand, Mihkel; Koel, Mihkel; Vaher, Merike Electrophoresis 2007 /

p. 3600-3605 : ill <https://pubmed.ncbi.nlm.nih.gov/17893951/>

On-column capillary electrophoretic monitoring of rapid reaction kinetics for determination of the antioxidative potential of various bioactive phenols

Vaher, Merike; Ehala, Sille; Kaljurand, Mihkel Electrophoresis 2005 / p. 990-1000 : ill

A portable capillary electropherograph equipped with a cross-sampler and a contactless-conductivity detector for the detection of the degradation products of chemical warfare agents in soil extracts

Seiman, Andrus; Jaanus, Martin; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2009 / p. 507-514 : ill

Separation of glutathione and its novel analogues and determination of their dissociation constants by capillary electrophoresis

Kazarjan, Jana; Vaher, Merike; Mahlapuu, Riina; Hansen, Mats; Soomets, Ursel; Kaljurand, Mihkel Electrophoresis 2013 / p.

1820-1827 : ill <https://doi.org/10.1002/elps.201200611> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stroboscopic sampling in comprehensive high-performance liquid chromatography-capillary electrophoresis via a pneumatic sampler

Ehala, Sille; Kaljurand, Mihkel; Kudrjašova, Marina; Vaher, Merike Electrophoresis 2004 / p. 980-989 : ill

Thermal marks as a signal processing aid for a portable capillary electropherograph

Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2011 / 9, p. 1006-1014 : ill