

Analysis of fatty acids in plant extracts by CE-SALDI MS

Borissova, Maria; Vaher, Merike; Palk, Klairy NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 125

Aqueous photocatalytic oxidation of sulfamethizole

Klauson, Deniss; Kritševskaja, Marina; Borissova, Maria; Preis, Sergei The 5th European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications (SPEA5) : 04-08 October 2008, Palermo, Italy : book of abstracts 2008 / p. PP2.18

Aqueous photocatalytic oxidation of sulfamethizole

Klauson, Deniss; Kritševskaja, Marina; Borissova, Maria; Preis, Sergei Environmental technology 2010 / 14, p. 1547-1555 : ill

Asümmeetriline organokatalüütiline 1,4-dihüdropüridiinide süntees

Noole, Artur; Borissova, Maria; Lopp, Margus; Kanger, Tõnis XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 64 : ill

Automatic spot preparation and image processing of paper microzone-based assays for analysis of bioactive compounds in plant extracts

Vaher, Merike; Borissova, Maria; Seiman, Andrus; Aid, Tiina; Kolde, Helen; Kazarjan, Jana; Kaljurand, Mihkel Food chemistry 2014 / p. 465-471 : ill <https://doi.org/10.1016/j.foodchem.2013.08.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Capillary electrophoresis on alkylimidazolium salts = Alküülimidasooliumi soolad kapillaarelektroforeesis

Borissova, Maria 2007 http://www.ester.ee/record=b2315954*est

Capillary zone electrophoresis on chemically bonded imidazolium based salts

Borissova, Maria; Vaher, Merike; Koel, Mihkel; Kaljurand, Mihkel Journal of chromatography A 2007 / p. 320-325 : ill

Characterization of the yew tree (Taxus) subspecies by fingerprints and principal components analysis

Vaher, Merike; Borissova, Maria; Truus, Kalle; Tuvikene, Rando; Robal, Marju; Kaljurand, Mihkel IUPAC International Congress on Analytical Sciences 2011 : 22-26 May 2011, Kyoto, Japan 2011 / p. 23P059

Characterization of yew tree (Taxus) varieties by fingerprint and principal component analyses

Truus, Kalle; Vaher, Merike; Borissova, Maria; Robal, Marju; Levandi, Tuuli; Tuvikene, Rando; Toomik, Peeter; Kaljurand, Mihkel Natural product communications 2012 / p. 1143-1146 : ill <https://pubmed.ncbi.nlm.nih.gov/23074891/>

Characterization of yew tree (Taxus) varieties by fingerprint and principal component analyses

Truus, Kalle; Vaher, Merike; Borissova, Maria; Robal, Marju; Levandi, Tuuli; Tuvikene, Rando; Toomik, Peeter; Kaljurand, Mihkel Natural product communications 2012 / p. 1143-1146 <https://pubmed.ncbi.nlm.nih.gov/23074891/>

Comparative fingerprint of medicinal herb polyphenols and chemometric analysis

Mazina, Jekaterina; Vaher, Merike; Borissova, Maria; Kaljurand, Mihkel 29th International Symposium on Chromatography : Torun, September 9-13, 2012 : abstract book 2012 / p. 184

Developments in the application of Green Chemistry principles to food analysis : capillary electrophoresis for the analysis of ingredients in food products

Koel, Mihkel; Borissova, Maria; Vaher, Merike; Kaljurand, Mihkel AgroFOOD industry hi-tech 2011 / 5, p. 27-29 : ill

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/>

Electrowetting-on-dielectric actuation of droplets with capillary electrophoretic zones for off-line mass spectrometric analysis

Gorbatšova, Jelena; Borissova, Maria; Kaljurand, Mihkel Journal of chromatography A 2012 / p. 9-15 : ill <https://pubmed.ncbi.nlm.nih.gov/22965712/>

Enantioselective organocatalytic aza-ene-type domino reaction leading to 1,4-dihydropyridines

Noole, Artur; Borissova, Maria; Lopp, Margus; Kanger, Tõnis The journal of organic chemistry 2011 / p. 1538-1545 <https://pubs.acs.org/doi/10.1021/jo200095e>

Fraction collection in capillary electrophoresis for various stand-alone mass spectrometers

Helmja, Kati; Borissova, Maria; Knjazeva, Tatjana; Jaanus, Martin; Muinasmaa, Urmas; Kaljurand, Mihkel; Vaher, Merike Journal of chromatography A 2009 / p. 3666-3673 : ill

Identification and relative quantification of proteins in Escherichia coli proteome by “up-front” collision-induced dissociation

Arike, Liisa; Nahku, Ranno; Borissova, Maria; Adamberg, Kaarel; Vilu, Raivo European journal of mass spectrometry 2010 / 2, p. 227-235 <https://pubmed.ncbi.nlm.nih.gov/20212332/>

Imidasoolil põhinevad ioonsed vedelikud kvartskapillaari pinna modifitseerijatena kapillaarelektroforeesis

Borissova, Maria; Koel, Mihkel XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 7

Ionic liquids as background electrolyte additives and coating materials in capillary electrophoresis

Vaher, Merike; Borissova, Maria; Koel, Mihkel; Kaljurand, Mihkel Proceedings of the Estonian Academy of Sciences. Chemistry 2007 / 4, p. 187-198 : ill

Ionic liquids for silica modification : assessment by capillary zone electrophoresis

Borissova, Maria; Koel, Mihkel; Kaljurand, Mihkel Ionic liquids. IV, Not just solvents anymore 2007 / p. 35-46 : ill

Kapillaarelektroforees derivatiseerimata rasvhapete analüüs

Palk, Klairy; Borissova, Maria XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 72

Micellar electrophoresis using ionic liquids

Borissova, Maria; Palk, Klairy; Koel, Mihkel Journal of chromatography A 2008 / 1/2, p. 192-195 : ill

Monitoring of the evolved gases by FTIR spectroscopy in apatite-ammonium sulfate thermal reactions

Tõnsuaadu, Kaia; Pelt, Jaan; Borissova, Maria ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. 357

Monitoring of the evolved gases in apatite-ammonium sulfate thermal reactions

Tõnsuaadu, Kaia; Pelt, Jaan; Borissova, Maria Journal of thermal analysis and calorimetry 2005 / p. 655-658

Monitoring the redox cycle of low-molecular peptides using a modified target plate in MALDI-MS

Borissova, Maria; Mahlapuu, Riina; Vaher, Merike Talanta 2010 / p. 274-280 <https://pubmed.ncbi.nlm.nih.gov/21035675/>

New chiral cyclohexylhemicucurbit[6]uril

Aav, Riina; Shmatova, Elena; Reile, Indrek; Borissova, Maria; Topic, Filip; Rissanen, Kari Organic letters 2013 / p. 3786-3789 : ill
<https://doi.org/10.1021/ol401766a> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New chiral cyclohexylhemicucurbituril structure and complexation

Shmatova, Elena; Reile, Indrek; Borissova, Maria; Topic, Filip; Rissanen, Kari; Aav, Riina Third International Conference on Cucurbiturils : 18-20 November, 2013, University of New South Wales Canberra 2013 / [1] p. : ill

A new chiral hemicucurbit[6]uril, a host for the ions

Aav, Riina; Shmatova, Elena; Öeren, Mario; Borissova, Maria SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 83 <https://www.etis.ee/Portal/Publications/Display/0e12460c-d3e8-424e-904a-a22e0c06633d>

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

Borissova, Maria; Gorbatošova, Jelena; Ebber, Arkadi; Kaljurand, Mihkel; Koel, Mihkel; Vaher, Merike Electrophoresis 2007 / p. 3600-3605 : ill <https://pubmed.ncbi.nlm.nih.gov/17893951/>

NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29

August, 2009, Tallinn University of Technology, Estonia : abstract book and program

2009 https://www.ester.ee/record=b2508733*est

On-plate concentration and analysis of low-molecular compounds using hydrophobic surfaces in MALDI MS

Borissova, Maria; Vaher, Merike 25th International Symposium on Microscale BioSeparations MSB 2010 : Prague, Czech Republic : abstract book 2010 / p. 182

Rapid analysis of free fatty acid composition in Brassica rapa L. and Brassica napus L. extracts by surface-assisted laser desorption/ionization time-of-flight mass spectrometry

Borissova, Maria; Palk, Klairy; Vaher, Merike Procedia chemistry 2010 / p. 174-179 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004215>

Sample plate modification for improvement of sensitivity in analysis of small molecules by MALDI-MS

Borissova, Maria; Vaher, Merike; Kaljurand, Mihkel IUPAC International Congress on Analytical Sciences 2011 : 22-26 May 2011, Kyoto, Japan 2011

Study of ionic liquids used for silica surface modification by capillary electrophoresis

Borissova, Maria; Koel, Mihkel Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 78

Sulfametisooli fotokatalüütiline oksüdatsioon vesifaasis

Klauson, Deniss; Kritševskaja, Marina; Borissova, Maria; Preis, Sergei XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 44

SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program

2011 http://www.ester.ee/record=b2713869*est

Thermal reactions in synthetic apatite-ammonium sulfate mixture

Tõnsuaadu, Kaia; Borissova, Maria; Bender, Villem; Pelt, Jaan Phosphorus, sulfur and silicon and the related elements 2004 / 11, p. 2395-2407

Uus enantiomeerne poolkukurbit[6]uriil

Shmatova, Elena; Werner, Franz; Tarma, K.; Öeren, Mario; Borissova, Maria; Aav, Riina XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 92 : ill