

**A general approach to the synthesis of 5-S-functionalized pyrimidine nucleosides and their analogues**

Kananovich, Dzmitry; Reino, Aili; Ilmarinen, Kaja; Rõõmusoks, Marko; Karelson, Mati; Lopp, Margus Organic & biomolecular chemistry 2014 / p. 5634-5644 : ill

**A general approach to the synthesis of 5-S-functionalized pyrimidine nucleosides and their analogues**

Kananovich, Dzmitry; Reino, Aili; Ilmarinen, Kaja; Rõõmusoks, Marko; Karelson, Mati; Lopp, Margus 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014 / p. 77

**A highly stereoselective route to medium-ring-sized trans-alkenolides via oxidative fragmentation of bicyclic oxycyclopropane precursors : application to the synthesis of (+)-recifeiolide**

Zubrytski, Dzmitry; Kananovich, Dzmitry; Kulinkovich, Oleg Tetrahedron 2014 / p. 2944-2950 : ill

**A kinetic view of the mechanism of the Grignard reaction with alkoxysilanes**

Ploom, Anu; Tuulmets, Ants; Panov, Dmitri; Burk, Peeter Phosphorus, sulfur, and silicon and the related elements 2015 / p. 509-519 : ill <https://doi.org/10.1080/10426507.2014.952002>

**A kinetic view to the mechanism of the Grignard reaction with alkoxysilanes**

Ploom, Anu; Tuulmets, Ants XXVI International Conference on Organometallic Chemistry : July 13-18, 2014, Sapporo, Japan 2014

**A universality of ethane-bridged bis-porphyrin structural motif for effective supramolecular chirogenesis, sensor development, and light harvesting systems**

Borovkov, Victor The UGC-SAP Sponsored International Conference on New Horizons in Synthetic and Materials Chemistry (ICSMC-2015) : Mumbai, India, November 26-28, 2015 : abstract book 2015 / p. 8

**Aasta teaduspreemia keemia ja molekulaarbioloogia alal teadustöö "Asümmeetrilised organokatalüütilised ja kaskaadreaktsioonid" eest : Tõnis Kanger**

Kanger, Tõnis Eesti Vabariigi preemiad 2016 : teadus. F. J. Wiedemanni keeleaühind. Kultuur. Sport 2016 / lk. 74-83 : ill., portr

**Absolute quantitative multi-omics characterization of specific growth rate-dependent metabolism of Escherichia coli = Absoluutselt kvantitatiivsetel oomikameetoditel põhinev kasvuerikiirusest sõltuva Escherichia coli metabolismi kirjeldamine**

Valgepea, Kaspar 2014 <https://digi.lib.ttu.ee/i/?1089>

**Accessibility of published QSAR models : ecotoxic endpoints**

Kahn, Iiris; Ahte, Priit; Sild, Sulev; Maran, Uko ALTEX proceedings. Vol. 4, No. 2 2015 / p. 119

**Accessibility of published QSAR models : environmental fate endpoints**

Kahn, Iiris; Ahte, Priit; Piir, Geven; Sild, Sulev; Maran, Uko Conferentia Chemometrica 2015 : Budapest, MTA TTK, September 13-16, 2015 2015 / p. P33

**Activated oil shale ashes as sorbents for SO<sub>2</sub> removal from flue gases**

Triikkel, Andres; Kaljuvee, Tiit; Kuusik, Rein, keemik; Maarend, Jaak 9th Regional (Central European) Conference IUAPPA and 3rd International Conference on Environmental Impact Assessment, Prague 1996 : up-to-date experiences and tasks of the transformation period : Czech Republic, September 23-26, 1996 : proceedings. Vol. 2 1996 / p. 306-310: ill

**Advanced continuous cultivation methods for systems microbiology**

Adamberg, Kaarel; Valgepea, Kaspar; Vilu, Raivo Microbiology 2015 / p. 1707-1719 : ill <http://dx.doi.org/10.1099/mic.0.000146>

**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>

**Ahelais tootmine**

Strandberg, Marek Inseneeria 2015 / lk. 4

**Ajuinseneeria : erksuses ja rahuloleku nupp pea küljes**

Strandberg, Marek Inseneeria 2015 / lk. 6 : fot [https://artiklid.elnet.ee/record=b2738545\\*est](https://artiklid.elnet.ee/record=b2738545*est)

**Akadeemia 2014. aasta eelarve täitmisest ja 2015. a eelarve : peasekretär Margus Lopp : [ettekanne Eesti TA üldkogu koosolekul 15. apr. 2015]**

Lopp, Margus Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientiarum Estonicae 2015 2016 / lk. 105-106

**Akadeemik ja kultuuritegelane : Mihkel Veiderma 70**

Kuusik, Rein, keemik Eesti Päevaleht 1999 / lk. 6: portr

## **Akud aiast ja põllult**

**Strandberg, Marek** Inseneeria 2016 / lk. [8]

## **Alkyltitanium ate complexes generated from alkylmagnesium halides and titanium TADDOLate : NMR and computational study**

**Kananovich, Dzmitry**; Adamson, Jasper; **Osadchuk, Irina**; **Kudrjašova, Marina**; **Lopp, Margus** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 84 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

## **Allene oxide synthase-lipoxygenase pathway in coral stress response = Alleenoksiidi süntaas-lipoksügenaasi rada korallide stressivastuses**

**Löhelaid, Helike** 2015 <https://digi.lib.ttu.ee/i/?1870> [https://www.ester.ee/record=b4446782\\*est](https://www.ester.ee/record=b4446782*est)

## **Alternative solvents in oil shale studies**

**Koel, Mihkel** International Symposium "Oil shale 100 years" : Estonia, Sept. 20-23, 2016 : [abstracts] 2016 / p. 40-41

## **Amino acid-functionalized calix[4]resorcinarene solubilization by mono- and dicationic surfactants**

Zakharova, Lucia Ya.; Serdyuk, Anna A.; Mirgorodskaya, Alla B.; **Karpichev, Yevgen** Journal of surfactants and detergents 2016 / p. 493-499 : ill <http://dx.doi.org/10.1007/s11743-016-1792-0>

## **Amphiphilic glycosylated block copolypeptides as macromolecular surfactants in the emulsion polymerization of styrene**

Jacobs, Jaco; **Gathergood, Nicholas**; Heuts, Johan P. A.; Heise, Andreas Polymer chemistry 2015 / p. 4634-4640 : ill <http://dx.doi.org/10.1039/C5PY00548E>

## **An assessment of alternative low level calculation methods for the initial selection of conformers of diastereomeric esters**

**Metsala, Andrus**; **Tamp, Sven**; **Danilas, Kady**; **Lille, Ülo**; **Villo, Ly**; **Vija, Sirje**; **Pehk, Tõnis**; **Parve, Omar** Journal of theoretical chemistry 2014 / p. 1-10 : ill

## **An NMR and MD modeling insight into nucleation of 1,2-alkanediols : selective crystallization of lipase-catalytically resolved enantiomers from the reaction mixtures**

**Parve, Omar**; Reile, Indrek; **Parve, Jaan**; Kasvandik, Sergio; **Kudrjašova, Marina**; **Tamp, Sven**; **Metsala, Andrus**; **Villo, Ly**; **Pehk, Tõnis**; Jarvet, Jüri; Vares, Lauri Journal of organic chemistry 2013 / p. 12795-12801 : ill

## **An optimized capillary electrophoresis method for the simultaneous analysis of biomass degradation products in ionic liquid containing samples**

**Aid, Tiina**; **Vaher, Merike** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 91 : ill [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

## **Analysis and quantification of remacrocyclisation of cyclohexylhemicucurbituril homologues**

**Fomitšenko, Maria**; **Peterson, Anna**; **Prigorchenko, Elena**; **Järving, Ivar**; **Aav, Riina** EuroAnalysis 2015 : 6-10 September 2015, Bordeaux, France 2015

## **Analysis of cyclic sulfur mustard degradation products in water samples by HPLC and CE**

**Lees, Heidi**; **Avarlaid, Annela**; **Vaher, Merike**; **Kaljurand, Mihkel** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 75 : ill [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

## **Analysis of intermediates and quantification of products in synthesis of hemicucurbiturils**

**Fomitšenko, Maria**; **Prigorchenko, Elena**; **Peterson, Anna**; **Trunin, Madli**; **Järving, Ivar**; **Aav, Riina** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 61 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

## **Analysis of organic species in sediments and soil by high performance separation methods = Orgaaniliste ainete analüüs sette ja mulla proovides kõrgefektiivsete lahutusmeetodite abil**

**Makarõtševa, Natalja** 2011 <https://digi.lib.ttu.ee/i/?614>

## **Analysis of sulfur mustard hydrolysis and oxidation products in seawater and sediments by capillary electrophoresis**

**Lees, Heidi**; **Jõul, Piia**; **Vaher, Merike**; **Kuhtinskaja, Maria**; **Kaljurand, Mihkel** Science for the Environment 2015 : Aarhus, Denmark, 1-2 October : [abstracts] 2015 / [1] p <http://dce-conference.au.dk/abstracts/>

## **Analysis of thiodiglycol and its oxidation products in sediments by capillary electrophoresis**

**Lees, Heidi**; **Vaher, Merike**; **Kaljurand, Mihkel** ITP2015/NoSSS2015 : final program and book of abstracts 2015 / p. P-55

## **Analytical applications of ionic liquids**

2016 [http://www.ester.ee/record=b4620895\\*est](http://www.ester.ee/record=b4620895*est)

#### **Analytical separations in harsh environments**

**Kaljurand, Mihkel** Trends in environmental analytical chemistry 2014 / e2-e7 : ill

#### **Apolipoproteins C-I and C-III inhibit lipoprotein lipase activity by displacement of the enzyme from lipid droplets**

**Larsson, Mikael; Vorrjö, Evelina; Talmund, Philippa; Lõokene, Aivar;** Olivecrona, Gunilla Journal of biological chemistry 2013 / p. 33997-34008 : ill

#### **Application and elaboration of accounting approaches for sustainable development = Jätkusuutliku arengu arvestusmeetodite arendamine ja rakendamine**

**Gavrilova, Olga** 2012 <https://digi.lib.ttu.ee/i/2788>

#### **Application of ethane-bridged bis-porphyrin structural motif for effective supramolecular chirogenesis, sensor development, and light harvesting systems**

**Borovkov, Victor; Gathergood, Nicholas** 229th ECS Meeting : May 29 - June 2, 2016, San Diego, CA : abstract book 2016 / art. 836

#### **Application of factor analysis to thermochromatography and protonation studies**

**Kudrjašova, Marina** 2000 [http://www.ester.ee/record=b1233805\\*est](http://www.ester.ee/record=b1233805*est)

#### **Application of octaethylporphyrin structural motif for supramolecular chirogenesis**

**Borovkov, Victor; Gathergood, Nicholas** Eighth [i.e. Ninth] International Conference on Porphyrins and Phthalocyanines (ICPP-9) : July 3-8, 2016, Nanjing, China 2016 / p. 33 <http://www.icpp-spp.org/icpp9/BOOKofABSTRACTS.pdf>

#### **Application of octaethylporphyrin structural motif for supramolecular chirogenesis**

**Borovkov, Victor** 227th ECS Meeting : May 24-28, 2015, Chicago, Illinois, USA : [abstracts] 2015 / p. 946 <https://ecs.confex.com/ecs/227/webprogram/Paper49194.html>

#### **Aqueous photocatalytic oxidation of prednisolone**

**Klauson, Deniss; Pilnik-Sudareva, Jana; Pronina, Natalja; Budarnaja, Olga; Kritševskaja, Marina; Käkinen, Aleksandr; Juganson, Katre; Preis, Sergei** Central European journal of chemistry 2013 / p. 1620-1633 : ill

#### **Aqueous photocatalytic oxidation of prednisolone**

**Klauson, Deniss; Pilnik-Sudareva, Jana; Budarnaja, Olga; Kritševskaja, Marina; Kuljasova, Julia; Käkinen, Aleksandr; Juganson, Katre; Preis, Sergei** Abstracts of papers of the American Chemical Society. Vol. 245 2013 / [1] p

#### **Arseeni ja seleeni määramine juustes AAS - leegita meetodil = Electrothermal AAS for the determination of arsenic and selenium in hair**

**Viitak, Anu; Treumann, Maili** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 227-228 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

#### **Asjade haavad veriseks**

**Strandberg, Marek** Inseneeria 2016 / lk. 10 : ill

#### **Assignment of configuration of chiral cyclic compounds by modelled spin-spin couplings and vibrational circular dichroism spectra**

**Aav, Riina; Suun, Silver; Tamp, Sven; Ausmees, Kerti; Kriis, Kadri; Metsala, Andrus; Peterson, Anna; Öeren, Mario** 2nd Polish-Taiwanese Conference : From Molecular Modeling to Nano- and Biotechnology : 26-28 August 2015, Opole, Poland 2015 / [1] p. : ill

#### **Asutajadekaanid : eesmärk on anda inimestele võimalus oma tööd paremini teha**

**Oorn, Arvo; Jervan, Gert; Kanger, Tõnis; Listra, Enn** Mente et Manu 2016 / lk. 18-23 : fot [http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM\\_2016\\_05/index.html](http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html)

#### **Asümmeetriline keemiline süntees - klaaspärlimängust rakendusteni**

**Lopp, Margus** Teadusmõte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 187-192 : ill [https://www.ester.ee/record=b2230239\\*est](https://www.ester.ee/record=b2230239*est)

#### **Asümmeetriliste alküleerimisreaktsioonide mehhanismi uurimine poolempiiriliste kvantkeemiliste arvutustega = Mechanistic studies of asymmetric alkylation reactions by semi-empirical quantum chemical calculations**

**Martin, Ivar;** Parve, Omar; Vares, L. XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 109-110 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

#### **Asymmetric aminocatalytic Michael addition of cyclopropane-containing aldehydes to nitroalkenes**

**Reitel, Kärt; Lippur, Kristin; Järving, Ivar; Kudrjašova, Marina; Lopp, Margus; Kanger, Tõnis** Synthesis 2013 / p. 2679-2683 : ill

**Asymmetric Ca-catalyzed Wittig [2,3]-rearrangement of allyloxy 1,3-dicarbonyl compounds**

Lippur, Kristin; Kanger, Tõnis *Balticum Organicum Syntheticum* : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 106 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Asymmetric diastereoselective synthesis of spirocyclopropane derivatives of oxindole**

Ošek, Maksim; Noole, Artur; Žari, Sergei; Öeren, Mario; Järving, Ivar; Lopp, Margus; Kanger, Tõnis *European journal of organic chemistry* 2014 / p. 3599-3606 : ill

**Asymmetric organocatalytic aza-Michael reactions of isatin derivatives**

Žari, Sergei; Metsala, Andrus; Kudrjašova, Marina; Kaabel, Sandra; Järving, Ivar; Kanger, Tõnis *Synthesis* 2015 / p. 875-886 : ill

**Asymmetric organocatalytic Michael and aldol reactions mediated by cyclic amines = Asümmeetiline organokatalüütiline Michaeli ja aldoolreaktsioon tsükliliste amiinide toimetel**

Laars, Marju 2010 [http://www.ester.ee/record=b2635250\\*est](http://www.ester.ee/record=b2635250*est) <https://digi.lib.ttu.ee/i/?511>

**Asymmetric organocatalytic synthesis of 3,3'-disubstituted oxindoles = Asümmeetiline organokatalüütiline 3,3'-diasendatud oksindoolide süntees**

Noole, Artur 2014 <https://digi.lib.ttu.ee/i/?1217> [https://www.ester.ee/record=b3201689\\*est](https://www.ester.ee/record=b3201689*est)

**Asymmetric organocatalytic synthesis of cyclopentanespirooxindoles**

Noole, Artur; Ilmarinen, Kaja; Järving, Ivar; Lopp, Margus; Kanger, Tõnis TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Asymmetric organocatalytic synthesis of spiro-cyclopropane oxindoles**

Ošek, Maksim; Noole, Artur; Žari, Sergei; Kanger, Tõnis TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Asymmetric organocatalytic synthesis of spiro-cyclopropaneoindoles**

Noole, Artur; Malkov, Andrei; Kanger, Tõnis *Synthesis* 2013 / p. 2520-2524 : ill

**Asymmetric organocatalytic synthesis of spiro-cyclopropyloxindoles**

Noole, Artur; Ošek, Maksim; Malkov, Andrei; Lopp, Margus; Kanger, Tõnis 8th Biennial International Conference on Organic Synthesis : *Balticum Organicum Syntheticum* : July 6-9, 2014, Vilnius : program and abstract book 2014

**Asymmetric organocatalytic Wittig [2,3]-rearrangement**

Ošek, Maksim; Kimm, Mariliis; Kanger, Tõnis *Balticum Organicum Syntheticum* : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 123 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Asymmetric organocatalytic wittig [2,3]-rearrangement of oxindoles**

Ošek, Maksim; Kimm, Mariliis; Kaabel, Sandra; Järving, Ivar; Rissanen, Kari; Kanger, Tõnis *Organic letters* 2016 / p. 1358-1361 : ill <http://dx.doi.org/10.1021/acs.orglett.6b00291>

**Asymmetric synthesis of 2,2'-bimorpholine and its 5,5'-substituted derivatives = 2,2'-bimorfoliini ja selle 5,5'-asendatud derivaatide asümmeetiline süntees**

Lippur, Kristin 2010 <https://digi.lib.ttu.ee/i/?476> [https://www.ester.ee/record=b2590092\\*est](https://www.ester.ee/record=b2590092*est)

**Asymmetric synthesis of 2,3,4-trisubstituted piperidines**

Kriis, Kadri; Melnik, Triin; Lips, Kristiina; Juhanson, Ilona; Kanger, Tõnis *Balticum Organicum Syntheticum* : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 102 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Asymmetric synthesis of C2-symmetric bimorpholines and their application as chiral ligands in the transfer hydrogenation of aromatic ketones**

Kriis, Kadri 2003 <https://digi.lib.ttu.ee/i/?4204>

**Asymmetric synthesis of congested spiro-cyclopentaneoxindoles via an organocatalytic cascade reaction**

Noole, Artur; Ilmarinen, Kaja; Järving, Ivar; Lopp, Margus; Kanger, Tõnis *Journal of organic chemistry* 2013 / p. 8117-8122 : ill

**Asymmetric synthesis of congested spiro-cyclopentaneoxindoles via an organocatalytic cascade reaction**

Noole, Artur; Kanger, Tõnis 248th ACS National Meeting and Exposition : August 10-14, 2014, San Francisco, CA : Chemistry and Global Stewardship 2014 / [1] p. : ill

**Asymmetric synthesis of tertiary 2-substituted 5-oxotetrahydrofuran-2-carboxylic acids**

Paju, Anne; Oja, Karolin; Matkevits, Katharina; Lumi, Priit; Järving, Ivar; Pehk, Tõnis; Lopp, Margus *Heterocycles* 2014 / p. 981-995 : ill

**Asymmetric synthesis of the 2,2,3-trisubstituted cyclopentanone, D-ring fragment of 9,11-secoosterols**

**Kõllo, Marek; Aav, Riina; Tamp, Sven; Jarvet, Jüri; Lopp, Margus** Tetrahedron 2014 / p. 6723-6727 : ill

**Asymmetric synthesis of the D-ring fragment of 9,11-secoosterols and its configuration assignment**

**Kõllo, Marek; Aav, Riina; Tamp, Sven; Järvet, Jüri; Lopp, Margus** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Aza-Michael reactions of isatin imines : deeper insight and origin of the stereoselectivity**

**Metsala, Andrus; Žari, Sergei; Kanger, Tõnis** ChemCatChem 2016 / p. 2961-2967 : ill <http://dx.doi.org/10.1002/cctc.201600584>

**Aza-Michael reactions of isatin imines : role of S- $\pi$  interactions**

**Metsala, Andrus; Žari, Sergei; Lopp, Margus; Kanger, Tõnis** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 116 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Atom economy, catalysis and green toxicology : tools for the delivery of sustainable chemistry based on ionic liquids**

**Gathergood, Nicholas** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 47 [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

**Atomic layer deposition of high-k dielectrics on carbon nanoparticles**

**Tamm, Aile; Koel, Mihkel; Peikolainen, Anna-Liisa** Thin solid films 2013 / p. 16-20 : ill

**Authentication of medicinal cannabis by electrophoretic fingerprints**

**Mazina, Jekaterina; Saar-Reismaa, Piret; Kuhtinskaja, Maria; Kaljurand, Mihkel; Kulp, Maria; Vaher, Merike** 40th International Symposium on Capillary Chromatography and 13th GC $\times$ GC Symposium : May 29 - June 03, 2016, Riva del Garda Fierecongressi, Riva del Garda, Italy : abstract book 2016 / p. 475

**Autolõbu lisandumas**

**Strandberg, Marek** Inseneeria 2016 / lk. 8 : fot

**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

**Avarielektri jaam valmis, virtuaal jõu jaam arutamisel**

**Köster, Ain; Strandberg, Marek** Inseneeria 2014 / lk. 40-43 : ill

**Balticum Organicum Syntheticum Tallinnas : [1.-4. juulini 2012 TTÜs]**

**Lopp, Margus** Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 268-272

**Betzi piirile lähemale**

**Strandberg, Marek** Inseneeria 2014 / lk. 34-37 : fot

**Biochemical diagnosis of classical galactosemia and mucopolysaccharidoses in Estonia = Klassikalise galaktoseemia ja mukopolüsahharidooside biokeemiline diagnostika Eestis**

**Krabbi, Külliki** 2012 <https://digi.lib.ttu.ee/i/?736>

**Biodegradation of ionic liquids - a critical review**

**Jordan, Andrew; Gathergood, Nicholas** Chemical Society reviews 2015 / p. 8200-8237 : ill <http://dx.doi.org/10.1039/C5CS00444F>

**Biogaasi tootmisest Eestis ning biogaasi tootmisel tekkiva kääritusjäägi ja vedelsõnniku väetusomaduste võrdlus**

**Pitk, Peep** Piimafoorum 2013 2013 / lk. 42-45 : fot

**Biokeemia õppematerjal**

1998 [https://www.ester.ee/record=b1033833\\*est](https://www.ester.ee/record=b1033833*est)

**Biokeemia õppematerjal. 1**

2003 [http://www.ester.ee/record=b1801130\\*est](http://www.ester.ee/record=b1801130*est)

**Biokeemia õppematerjal. 2**

1996 [https://www.ester.ee/record=b1284728\\*est](https://www.ester.ee/record=b1284728*est)

**Biokeemia õppematerjal. 4**

2003 [http://www.ester.ee/record=b1779200\\*est](http://www.ester.ee/record=b1779200*est)

## Biokeemia õppematerjal. 1

1996

### Bioorgaaniline keemia Tallinna Tehnikaülikooli keemiainstituudis

**Samel, Nigulas** Teadusmõtte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 193-197 : ill [https://www.ester.ee/record=b2230239\\*est](https://www.ester.ee/record=b2230239*est)

### Biotehnoloogia : laboratoorsete tööde juhend [Elektrooniline teavik]

2015 <http://www.ttu.ee/matemaatika-loodusteaduskond/keemiainstituut/biotehnoloogia-oppetool/materjalid-5/biotehnoloogia-i-ykb-1130/laborimaterjalid-4/>

### Biotehnoloogia : laboratoorsete tööde juhend [Võrguväljaanne]

2014

### Book review of "Lanthanide metal-organic frameworks"

**Borovkov, Victor** Frontiers in chemistry 2015 / p. 1-2 : ill <http://dx.doi.org/10.3389/fchem.2015.00050>

### CaCl<sub>2</sub>, bisoxazoline, and malonate : a protocol for an asymmetric Michael reaction

**Lippur, Kristin; Kaabel, Sandra; Järving, Ivar;** Rissanen, Kari; **Kanger, Tõnis** Journal of organic chemistry 2015 / p. 6336-6341 : ill <http://dx.doi.org/10.1021/acs.joc.5b00769>

### Calcium-catalyzed asymmetric reactions of 1,3-dicarbonyl compounds

**Lippur, Kristin; Lopp, Margus; Kanger, Tõnis** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014

### Can isothermal microcalorimetry be used to characterise bacterial growth on prebiotic oligosaccharides?

**Adamberg, Signe; Tomson, Katrin;** Vija, Heiki; Wadström, T.; Ljungh, A.; **Adamberg, Kaarel** The Intestinal Microbiota and Gut Health : Contribution of the Diet, Bacterial Metabolites, Host Interactions and Impact on Health and Disease : IATA (CSIC), Valencia, Spain, 18th-20th September 2013 : conference proceedings, short communications 2013 / p. 15-17 : ill

### Can selenium levels act as a marker of colorectal cancer risk?

**Lener, Marcin R.; Kulp, Maria; Viitak, Anu** BMC cancer 2013 / p. 1-6 : ill

### Capacitance-to-digital : a single chip detector for capillary electrophoresis

**Drevinskas, Tomas; Kaljurand, Mihkel;** Maruška, Audrius Electrophoresis 2014 / p. 2401-2407 : ill

### Capillary electrophoresis method for determining biomass degradation products and monitoring glucose conversion to 5-hydroxymethylfurfural in ionic liquids

**Aid, Tiina; Lopp, Margus; Vaher, Merike** ITP2015/NoSSS2015 : final program and book of abstracts 2015 / p. P-23

### Capillary electrophoresis on alkylimidazolium salts = Alküülimidasooliumi soolad kapillaarelektroforeesis

**Borissova, Maria** 2007 [http://www.ester.ee/record=b2315954\\*est](http://www.ester.ee/record=b2315954*est)

### Capillary electrophoretic monitoring of biochemical reaction kinetics = Biokeemiliste reaktsioonide kineetika kapillaarelektroforeetilise seire

**Kulp, Maria** 2006 <https://digi.lib.ttu.ee/i/?98> [https://www.ester.ee/record=b2144683\\*est](https://www.ester.ee/record=b2144683*est)

### Capillary electrophoretic monitoring of hydrothermal pre-treatment and enzymatic hydrolysis of willow : comparison with HPLC and NMR

**Vaher, Merike; Helmja, Kati;** Käsper, Andres; Kurašin, Mihhail; Väljamäe, Priit; **Kudrjašova, Marina; Koel, Mihkel; Kaljurand, Mihkel** Catalysis today 2012 / p. 34-41 : ill

### Capillary electrophoretic study of the synergistic biological effects of alkaloids from Chelidonium majus L. in normal and cancer cells

**Kulp, Maria; Bragina, Olga** Analytical and bioanalytical chemistry 2013 / p. 3391-3397 : ill

### Carbon aerogel-cellulose films and fibres with electrical conductivity and antibacterial properties against cyanobacteria

**Elhi, Fred; Kisand, Veljo; Peikola, Anna-Liisa; Koel, Mihkel;** Aabloo, Alvo 3rd Seminar on Aerogels : Synthesis-Properties-Applications : 22-23 September 2016, Mines ParisTech - PSL Research University, Sophia Antipolis (France) : proceedings 2016 / p. 180

### Carbon aerogels from 5-methylresorcinol-formaldehyde gels = Süsinikaerogeelid 5-metüülresortsinoolist ja formaldehüüdist

**Perez-Caballero, Fernando** 2008 <https://digi.lib.ttu.ee/i/?284> [https://www.ester.ee/record=b2431316\\*est](https://www.ester.ee/record=b2431316*est)

**A catalase-related hemoprotein in coral is specialized for synthesis of short-chain aldehydes : discovery of P450-type hydroperoxide lyase activity in a catalase**

**Teder, Tarvi; Lõhelaid, Helike;** Boeglin, William E.; Calcutt, Wade M.; Brash, Alan R.; **Samel, Nigulas** Journal of biological chemistry 2015 / p. 19823-19832 : ill <http://dx.doi.org/10.1074/jbc.M115.660282>

**Cd<sup>2+</sup> ja Mn<sup>2+</sup> sidumine vesilahustest sünteetiliste fluorkarbonaatapatiitidega = Removal of Cd<sup>2+</sup> and Mn<sup>2+</sup> ions from aqueous solutions by fluorcarbonateapatites**

**Tõnsuaadu, Kaia; Peld, Merike; Veiderma, Mihkel; Bender, Villem** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 215-216  
[https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Characteristic VCD signals of chiral hemicucurbiturils : (all-S)-cycHC[6], (all-R)-cycHC[8] and biotin[6]uril ester**

**Aav, Riina; Peterson, Anna; Prigorchenko, Elena; Öeren, Mario** 10th International Symposium on Macrocyclic and Supramolecular Chemistry : Strasbourg, France, June 28th - July 2nd 2015 2015 / p. PA-1

**Chemical composition of red wines made from hybrid grape and common grape (*Vitis vinifera* L.) cultivars**

**Pedastsaar, Priit; Vaher, Merike; Helmja, Kati; Kulp, Maria; Kaljurand, Mihkel;** Karp, Kadri; Raal, Ain; Karathanos, Vaio; Püssa, Tõnu Proceedings of the Estonian Academy of Sciences 2014 / p. 444-453 : ill [https://artiklid.elnet.ee/record=b2707387\\*est](https://artiklid.elnet.ee/record=b2707387*est)

**Chemosystematic markers for the essential oils in leaves of *Mentha* species cultivated or growing naturally in Estonia**

**Orav, Anne;** Kapp, Karmen; Raal, Ain Proceedings of the Estonian Academy of Sciences 2013 / p. 175-186  
[https://artiklid.elnet.ee/record=b2624901\\*est](https://artiklid.elnet.ee/record=b2624901*est)

**Chimeric allene oxide synthase- lipoxygenase fusion proteins**

**Lõhelaid, Helike; Samel, Nigulas** 14th International PhD Symposium: "Overcoming Chaos- Networks in Life Sciences" 24-28.10.2012, Heidelberg, Germany 2012

**Chiral cyclohexylhemicucurbit[n]uril homologues**

**Shmatova, Elena; Fomitšenko, Maria; Öeren, Mario;** Reile, Indrek; **Järving, Ivar; Aav, Riina** 9th International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC-9) : program and book of abstracts : Shanghai Institute of Organic Chemistry, Shanghai, China, June 7-June 11, 2014 2014 / [1] p. : ill

**Chiral cyclohexylhemicucurbit[n]urils**

**Shmatova, Elena; Fomitšenko, Maria; Öeren, Mario;** Reile, Indrek; **Kuhtinskaja, Maria; Järving, Ivar; Aav, Riina** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Cobalt- and iron-containing nitrogen-doped carbon aerogels as non-precious metal catalysts for electrochemical reduction of oxygen**

**Sarapuu, Ave; Samolberg, Lars; Kreek, Kristiina; Koel, Mihkel;** Matisen, Leonard; Tammeveski, Kaido Journal of electroanalytical chemistry 2015 / p. 9-17 : ill <http://dx.doi.org/10.1016/j.jelechem.2015.03.021>

**Cobalt-containing nitrogen-doped carbon aerogels as efficient electrocatalysts for the oxygen reduction reaction**

**Kreek, Kristiina;** Sarapuu, Ave; Samolberg, Lars; Joost, Urmas; **Mikli, Valdek; Koel, Mihkel;** Tammeveski, Kaido ChemElectroChem 2015 / p. 2079-2088 : ill <https://doi.org/10.1002/celc.201500275>

**Co-digestion of sewage sludge and sterilized solid slaughterhouse waste : methane production efficiency and process limitations**

**Pitk, Peep;** Kaparaju, Prasad; Palatsi, Jordi; Affes, Rim; **Vilu, Raivo** Bioresource technology 2013 / p. 227-232 : ill

**Colorimetric determination of total phenolic contents in ionic liquid extracts by paper microzones and digital camera**

**Aid, Tiina; Kaljurand, Mihkel; Vaher, Merike** Analytical methods 2015 / p. 3193-3199 : ill <http://dx.doi.org/10.1039/c5ay00194c>

**Co-metabolism of amino acids and polyfructans by *Bacteroides thetaiotaomicron* in defined media**

**Adamberg, Signe; Tomson, Katrin;** Vija, Heiki; Visnapuu, Triinu; **Adamberg, Kaarel** 2014 ENGIHR Conference : The Gut Microbiota Throughout Life : Max Rubner-Institut, Karlsruhe (Germany), 24th-26th September 2014 / [3] p. : ill

**Commercial peppermint (*Mentha x piperita* L.) teas : antichlamydial effect and polyphenolic composition**

**Kapp, Karmen; Hakala, Elina; Orav, Anne** Food research international 2013 / p. 758-766 : ill

**Comparative study of cereal varieties by analytical separation methods and chemometrics = Teraviljasortide võrdlev uurimus analüütiliste lahutusmeetodite ja kemomeetria abil**

**Levandi, Tuuli** 2013 <https://digi.lib.ttu.ee/i/?899> [https://www.ester.ee/record=b2948245\\*est](https://www.ester.ee/record=b2948245*est)

**Composition of the essential oil of the *Rhododendron tomentosum* Harmaja from Estonia**

**Raal, Ain; Orav, Anne; Gretšušnikova, Tatjana** Natural product research 2014 / p. 1091-1098 : tab

### **Computational and ion mobility MS study of (all-S)-cyclohexylhemicucurbit[6]uril structure and complexes**

**Öeren, Mario; Shmatova, Elena; Tamm, Toomas; Aav, Riina** Physical chemistry chemical physics 2014 / p. 19198-19205 : ill

### **Computational study of cyclohexylhemicucurbiturils = Tsükloheksüülhemikukurbituriilide arvutuskeemiline modelleerimine**

**Öeren, Mario** 2015

### **A computerized flow injection analysis manifold for interference determination in flame atomic absorption spectrometry**

**Lahne, Riina; Viitak, Anu; Hödrejäv, Helvi; Treumann, Maili; Friedenthal, Margus; Kaljurand, Mihkel** Proceedings of the Estonian Academy of Sciences. Chemistry 2002 / p. 29-37 : ill

### **Computerized sampling in ion chromatography and in capillary electrophoresis**

**Kuldvee, Ruth** 1999 [http://www.ester.ee/record=b1273072\\*est](http://www.ester.ee/record=b1273072*est)

### **Conformational switching of ethano-bridged Cu<sub>2</sub>H<sub>2</sub>-bis-porphyrin induced by aromatic amines**

**Bettini, Simona; Maglie, Emanuela; Pagano, Rosanna; Borovkov, Victor** Beilstein journal of nanotechnology 2015 / p. 2154-2160 : ill  
<http://dx.doi.org/10.3762/bjnano.6.221>

### **A conserved $\pi$ -cation and an electrostatic bridge are essential for 11R-lipoxygenase catalysis and structural stability**

**Eek, Priit; Piht, Mari-Ann; Rätsep, Margus; Freiberg, Arvi; Järving, Ivar; Samel, Nigulas** Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids 2015 / p. 1377-1382 : ill <https://doi.org/10.1016/j.bbalip.2015.07.007>

### **Construction of de novo all-carbon quaternary stereocenters in unbiased acyclic systems**

**Starkov, Pavel; Moore, Jared T.; Duquette, Douglas C.; Stoltz, Brian M.; Marek, Ilan** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 150 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

### **Content and composition of essential oil in oregano (Origanum vulgare) growing in Estonia**

**Raal, Ain; Orav, Anne; Ivask, Anu; Arak, Elmar** The 6th International Pharmaceutical Conference "Science and Practice 2015" : November 5-6, 2015, Kaunas, Lithuania : book of abstracts 2015 / p. 62

### **Coordinated activation of PTA-ACS and TCA cycles strongly reduces overflow metabolism of acetate in Escherichia coli**

**Peebo, Karl; Valgepea, Kaspar; Nahku, Ranno; Riis, Gethe; Öun, Mikk; Adamberg, Kaarel; Vilu, Raivo** Applied microbiology and biotechnology 2014 / p. 5131-5143 : ill

### **Crystallographic study of cyclohexanohemicucurbit[n]urils and their complexes**

**Kaabel, Sandra; Trunin, Madli; Topic, Filip; Rissanen, Kari; Aav, Riina** ECS3 book of abstracts : Bol, Croatia, 25 Sept. - 02 Oct., 2016 2016 / p. 30 : ill [http://ecs3.ecanews.org/PROGRAMME\\_files/ECS3\\_Book%20of%20Abstracts\\_z\\_v5.pdf](http://ecs3.ecanews.org/PROGRAMME_files/ECS3_Book%20of%20Abstracts_z_v5.pdf)

### **Cu-modified hydroxy-apatite as catalyst for Glaser-Hay C-C homo-coupling reaction of terminal alkynes**

**Maaten, Birgit; Moussa, Jamal; Desmarests, Christophe; Gredin, Patrick; Beaunier, Patricia; Kanger, Tõnis; Tõnsuaadu, Kaia; Villemin, Didier; Gruselle, Michel** Journal of molecular catalysis A : chemical 2014 / p. 112-116 : ill

### **Cyclohexanohemicucurbit[8]uril - a neutral host for anionic guests**

**Kaabel, Sandra; Adamson, Jasper; Kalenius, Elina; Topic, Filip; Öeren, Mario; Lõokene, Aivar; Rissanen, Kari; Aav, Riina** 11th International Symposium on Macrocyclic and Supramolecular Chemistry : ISMSC-2016 : Seoul, Korea, 10-14 July 2016 2016 / p. PA051

### **Cyclohexanohemicucurbit[8]uril - a neutral host for anionic guests**

**Kaabel, Sandra; Adamson, Jasper; Kalenius, Elina; Topic, Filip; Öeren, Mario; Lõokene, Aivar; Rissanen, Kari; Aav, Riina** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 80 : ill  
[http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

### **Cyclohexylhemicucurbit[8]uril - a chiral macrocyclic host for anionic guests**

**Kaabel, Sandra; Topic, Filip; Shmatova, Elena; Kudrjašova, Marina; Kalenius, Elina; Kivijärvi, Lauri; Aav, Riina; Rissanen, Kari** Acta crystallographica section A : foundations and advances 2015 / p. s475 <http://dx.doi.org/10.1107/S2053273315092992>

### **Cyclohexylhemicucurbit[8]uril - a chiral macrocyclic host for anionic guests**

**Kaabel, Sandra; Topic, Filip; Prigorchenko, Elena; Kudrjašova, Marina; Kalenius, Elina; Kivijärvi, Lauri; Aav, Riina; Rissanen, Kari** ECM29 : 29th European Crystallographic Meeting : Young Crystallographers' Satellite Meeting : Rovinj, Croatia, August 23, 2015 : [abstracts] 2015 / [1] p. : ill [http://ecm29.ecanews.org/wp-content/uploads/10\\_Sandra\\_Kaabel.pdf](http://ecm29.ecanews.org/wp-content/uploads/10_Sandra_Kaabel.pdf)

### **Cyclohexylhemicucurbiturils as supramolecular necklace for guest molecule**

**Prigorchenko, Elena; Öeren, Mario; Kaabel, Sandra; Kruusamägi, Madli; Fomitšenko, Maria; Reile, Indrek; Topic, Filip; Rissanen, Kari; Aav, Riina** 10th International Symposium on Macrocyclic and Supramolecular Chemistry : Strasbourg, France, June 28th - July 2nd 2015 2015 / p. PB-44

### **Cyclopentane-1,2-dione and cyclopent-2-en-1-one in asymmetric organocatalytic reactions**

**Preegel, Gert; Mose, Rasmus; Silm, Estelle; Lopp, Margus** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 133 [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

### **Cyclopentane-1,2-dione and cyclopent-2-en-1-one in asymmetric organocatalytic reactions = Tsüklopentaan-1,2-diooni ja tsüklopent-2-een-1-ooni asümmeetrilised organokatalüütilised reaktsioonid**

**Preegel, Gert** 2016

### **Degradation of fructans and production of propionic acid by Bacteroides thetaiotaomicron are enhanced by the shortage of amino acids**

**Adamberg, Signe; Tomson, Katrin; Vija, Heiki; Puurand, Marju; Kabanova, Natalja; Visnapuu, Triinu; Jõgi, Eerik; Alamäe, Tiina; Adamberg, Kaarel** Frontiers in nutrition 2014 / p. 1-9 : ill

### **Degradation of organophosphate pesticides using pyridinium based functional surfactants**

**Sharma, Rahul; Gupta, Bhanushree; Karpichev, Yevgen; Gathergood, Nicholas** ACS sustainable chemistry & engineering 2016 / p. 6962-6973 : ill <http://dx.doi.org/10.1021/acssuschemeng.6b01878>

### **Demopaatia, kannatuste haigus**

**Strandberg, Marek** KesKus 2015 / lk. 6 : ill

### **Department of Chemistry**

2010 [https://www.ester.ee/record=b2661882\\*est](https://www.ester.ee/record=b2661882*est)

### **Department of Chemistry**

**Hödrejäär, Helvi; Veiderma, Mihkel; Kuusik, Rein, keemik; Hödrejäär, Helvi; Kallast, Vambola; Lille, Ülo; Öpik, Andres; Köstner, Ado; Vilu, Raivo; Kreen, Malle; Kuusik, Rein, keemik; Öpik, Andres** Research activities / Tallinn Technical University 1993 / p. 45-48 [https://www.ester.ee/record=b1053754\\*est](https://www.ester.ee/record=b1053754*est)

### **Department of Chemistry / Tallinn University of Technology, Faculty of Science**

2008 [https://www.ester.ee/record=b5655170\\*est](https://www.ester.ee/record=b5655170*est)

### **Department of Chemistry : activity report 1995**

1996 [https://www.ester.ee/record=b1060032\\*est](https://www.ester.ee/record=b1060032*est)

### **Department of Chemistry : activity report 1996**

1997 [https://www.ester.ee/record=b1060032\\*est](https://www.ester.ee/record=b1060032*est)

### **Design and validation of novel chikungunya virus protease inhibitors**

**Das, Pratyush Kumar; Puusepp, Laura; Varghese, Finny S.; Utt, Age; Ahola, Tero; Kananovich, Dzmitry; Lopp, Margus; Merits, Andres; Karelson, Mati** Antimicrobial agents and chemotherapy 2016 / p. 7382-7395 : ill <http://dx.doi.org/10.1128/AAC.01421-16>

### **Detection of banned chemicals in various matrices (saliva, sediments) by capillary electrophoresis**

**Kaljurand, Mihkel; Mazina-Šinkar, Jekaterina; Saar-Reismaa, Piret; Jõul, Piia; Lees, Heidi; Tretjakova, Anastassia; Kulp, Maria; Vaher, Merike** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 38 [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

### **Detection of banned chemicals in various matrices (saliva, sediments) by capillary electrophoresis**

**Kaljurand, Mihkel; Mazina, Jekaterina; Saar-Reismaa, Piret; Jõul, Piia; Lees, Heidi; Špiljova, Anastassija; Kulp, Maria; Vaher, Merike** ITP2015/NoSSS2015 : final program and book of abstracts 2015 / p. L-36

### **Detection of psycho- and bioactive drugs in different sample matrices by fluorescence spectroscopy and capillary electrophoresis = Psühho- ja bioaktiivsete ainete tuvastamine erinevates proovimatriksites kasutades**

**Mazina, Jekaterina** 2016

### **Determination of GHB and marijuana (THC, CBD) abuse in saliva by capillary electrophoresis**

**Mazina, Jekaterina; Saar-Reismaa, Piret; Špiljova, Anastassija; Kaljurand, Mihkel; Kulp, Maria; Vaher, Merike** ITP2015/NoSSS2015 : final program and book of abstracts 2015 / p. YS-4

### **Determination of metal content in superoxide dismutase enzymes by capillary electrophoresis**

**Kazarjan, Jana; Vaher, Merike; Hunter, Therese; Kulp, Maria; Hunter, Gary James; Bonetta, Rosalin; Farrugia, Diane; Kaljurand, Mihkel** Journal of separation science 2015 / p. 1042-1045 : ill <http://dx.doi.org/10.1002/jssc.201400925>

### **Determination of phenolic compounds and their antioxidative capability in plant extracts = Meetodid fenoolsete ühendite määramiseks ja nende antioksidatiivsuse hindamiseks**

Helmja, Kati 2010 [https://www.ester.ee/record=b2561129\\*est](https://www.ester.ee/record=b2561129*est)

**Determination of post-blast explosive residues in various matrices using portable capillary electropherograph with contactless conductivity detection**

Kobrin, Eeva-Gerda; Kuban, Petr; Kaljurand, Mihkel TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

**Determination of  $\gamma$ -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 <http://dx.doi.org/10.1002/elps.201500293>

**Development and application of various on- and off-line analytical methods for the analysis of bioactive compounds = Mitmemõõtmeliste analüüsimeetodite väljatöötamine ja rakendamine bioaktiivsete ühendite analüüsil**

Ehala, Sille 2006 <https://digi.lib.ttu.ee/i/?102> [https://www.ester.ee/record=b2148215\\*est](https://www.ester.ee/record=b2148215*est)

**Development and applications of chemically defined media for lactic acid bacteria = Defineeritud koostisega söötmete arendamine ja kasutusalaad piimhappebakteritele**

Aller, Kadri 2016 [http://www.ester.ee/record=b4567664\\*est](http://www.ester.ee/record=b4567664*est)

**Development and production of extruded food and feed products containing probiotic microorganisms = Probiootilisi mikroorganisme sisaldavate ekstrudeeritud toiduainete ja loomasöötade tootmistehnoloogia väljatöötamine ja rakendamine**

Kazarjan, Aram 2012

**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 <http://dx.doi.org/10.1002/elps.201500038>

**Development of a microcalorimetric method for the study of fermentation processes = Kalorimeetrilise meetodi väljatöötamine fermentatsiooniprotsesside uurimiseks**

Kabanova, Natalja 2013 [https://www.ester.ee/record=b2945255\\*est](https://www.ester.ee/record=b2945255*est)

**Development of an analysis method for the determination of sulfur mustard hydrolysis and oxidation products in seawater by a portable capillary electrophoresis instrument**

Jõul, Piia; Kuhtinskaja, Maria; Kaljurand, Mihkel ITP2015/NoSSS2015 : final program and book of abstracts 2015 / p. P-53

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

Lees, Heidi; Kaljurand, Mihkel; Vaher, Merike 40th International Symposium on Capillary Chromatography and 13th GC×GC Symposium : May 29 - June 03, 2016, Riva del Garda Fierecongressi, Riva del Garda, Italy : abstract book 2016 / p. 255

**Development of methods for the CE analysis of plant phenolic compounds and vitamins = Kapillaarelektroforeesil põhinevate meetodite väljatöötamine taimsete fenoolsete ühendite ja vitamiinide analüüsiks**

Gorbatšova, Jelena 2011 <https://digi.lib.ttu.ee/i/?640>

**Development of point of care applications for capillary electrophoresis = Sündmuskohal läbiviidavate kapillaarelektroforeetiliste ekspressanalüüside arendamine**

Kobrin, Eeva-Gerda 2016

**Development of sensitive fluorescence detector for determination of cannabis abuse in saliva by capillary electrophoresis**

Mazina, Jekaterina; Tretjakova, Anastassia; Saar-Reismaa, Piret; Gorbatšova, Jelena; Kulp, Maria; Vaher, Merike; Erme, Enn; Kaljurand, Mihkel 18th International Symposium on Advanced in Extraction Technologies (ExTech'2016) & the 22nd International Symposium on Separation Science (ISSS'2016), July 3-6, 2016, Torun, Poland : abstract book 2016 / p. 176-177

**DFT study of the cesium cation containing complexes relevant to the cesium cation binding by the humic acids = DFT arvutus Cs katiooni interaktsioonidest humiiniühenditega orgaaniliste mudelühendite baasil**

Tamp, Sven 2007 [https://www.ester.ee/record=b2269605\\*est](https://www.ester.ee/record=b2269605*est)

**Diastereoselective multicomponent cascade reaction for the synthesis of heterobicyclic heptanes**

Kriis, Kadri; Ausmees, Kerti; Plado, Anita; Pehk, Tõnis; Lopp, Margus; Kanger, Tõnis 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Synthetium : July 6-9, 2014, Vilnius : program and abstract book 2014

**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  
<http://dx.doi.org/10.1002/elps.201500284>

#### **Direct access to multifunctionalized norcamphor scaffolds by asymmetric organocatalytic Diels–Alder reactions**

Mose, Rasmus; Jensen, Magnus E.; **Preegel, Gert**; Jorgensen, Karl Anker Angewandte Chemie international edition 2015 / p. 13630-13634 : ill <http://dx.doi.org/10.1002/anie.201507348>

#### **Direct amidation of unprotected amino acids using B(OCH<sub>2</sub>CF<sub>3</sub>)<sub>3</sub>**

Lanigan, Rachel M.; Karaluka, Valerija; Sabatini, Marco T.; **Starkov, Pavel** Chemical communications 2016 / p. 8846-8849 : ill  
<http://dx.doi.org/10.1039/C6CC05147B>

#### **Do we need Green Analytical Chemistry**

**Koel, Mihkel** Green chemistry 2015 / [9] p. : ill <http://dx.doi.org/10.1039/C5GC02156A>

#### **Do we need Green Analytical Chemistry?**

**Koel, Mihkel** Green chemistry 2016 / p. 923-931 : ill <http://dx.doi.org/10.1039/C5GC02156A>

#### **Droonimured ja nende lahendused**

**Strandberg, Marek** Inseneeria 2016 / lk. [6] : fot

#### **Dynamic hemicucurbiturils**

**Aav, Riina** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 24 : ill  
[http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

#### **Ecosystem changes in large and shallow Võrtsjärv, a lake in Estonia - evidence from sediment pigments and phosphorus fractions**

Tönno, Ilmar; Kirs, Anna-Liisa; Freiberg, Rene; **Alliksaar, Tiit; Lepane, Viia**; Kõiv, Toomas; **Kisand, Anu; Heinsalu, Atko** Boreal environment research 2013 / p. 195-208 : ill

#### **Eelosoneerimise mõju looduslike orgaaniliste ainete biolagunemisele = The impact of pre-treatment with ozone on biodegradation of natural organic matter-case study**

**Rožkov, Aleksei**; Strömberg, A.; Karlsson, K.; **Preis, Sergei** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 175-176 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

#### **Eessõna eestikeelsele väljaandele**

**Parmak, Merle** Väsimuse haldamine sõjalistel operatsioonidel : juhtnööre ülematele 2013 / lk. [6]

#### **Eesti riik Briti rosinanokkijate kallal**

**Strandberg, Marek** Õhtuleht 2016 / lk. 6

#### **Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientiarum Estonicae 2014**

2015

#### **Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientiarum Estonicae 2015**

2016

#### **Eestis leiutatud neutriino**

Proosi, Almar Inseneeria 2015 / lk. 18-20, 22 : fot

#### **Eestis müristab sama kõvasti kui Gagarini kosmosereisi aegu**

Enno, Sven-Erik; **Strandberg, Marek** Inseneeria 2014 / lk. 44-45 : fot

#### **Eestis oktoobris-detsembris 2014 kaitstud tehnoloogia-, tootmise- ja ettevõtlusealased doktoritööd : [TTÜst Nikolai Voltšihin, Liina Lind, Nicole Delpeche-Ellmann, Irina Klimova, Ene Viia ja Merle Rihma]**

Inseneeria 2015 / lk. 44-47

#### **Effect of new superhard phases formation on properties of composite processed by SHS**

**Kommel, Lembit; Tamm, Toomas; Metsvahi, Raido** Engineering materials and tribology 2013 / p. 137-142

#### **Effect of structure of polycyclic aromatic substrates on solubilization capacity and size of cationic monomeric and gemini 14-s-14 surfactant aggregates**

Serdyuk, Anna A.; Mirgorodskaya, Alla B.; **Kapitanov, Illia; Gathergood, Nicholas; Karpichev, Yevgen** Colloids and surfaces A : physicochemical and engineering aspects 2016 / p. 613-622 : ill <http://doi.org/10.1016/j.colsurfa.2016.09.068>

**Eksperthinnang : "Ülerõhu piirväärtuste ning ohualade määramine"**

**Tomborg, Tõnu; Idla, Katrin; Strandberg, Marek** 2015

[https://www.siseministeerium.ee/sites/default/files/dokumendid/Uuringud/Ennetus/2015\\_stratek\\_eksperthinnang\\_ylerohu\\_piirvaartust.pdf](https://www.siseministeerium.ee/sites/default/files/dokumendid/Uuringud/Ennetus/2015_stratek_eksperthinnang_ylerohu_piirvaartust.pdf)

**Electrochemically driven carbon-based materials as EAPs : fundamentals and device configurations [Online resource]**

Torop, Janno; Peikolainen, Anna-Liisa; Aabloo, Alvo; **Koel, Mihkel**; Asaka, Kinji; Baughman, Ray Electromechanically active polymers : a concise reference 2016 / p. 1-16 [http://dx.doi.org/10.1007/978-3-319-31767-0\\_18-1](http://dx.doi.org/10.1007/978-3-319-31767-0_18-1)

**Electroreduction of oxygen on cobalt- and iron-containing nitrogen-doped carbon aerogels**

Sarapuu, Ave; Samolberg, Lars; **Kreek, Kristiina; Koel, Mihkel**; Joost, Urmas; Tammeveski, Kaido BEC 16 : the 6th Baltic Electrochemistry Conference : Electrochemistry of Functional Interfaces and Materials : 15th-17th June 2016, Helsinki, Finland 2016 / p. 20

**Elektronmikroskoopia võimalused ehitiste kivimaterjalide korrosioonikahjustuste uurimiseks = Usage of electron microscopy in survey of corrosion damages of stone building materials**

**Põldme, Meeme; Kallavus, Urve** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 155-156 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Enantioselective cyclopropanation of carboxylic esters with alkyl magnesium bromides in the presence of titanium(IV) (4R,5R)-TADDOLates**

Konik, Yulia A.; **Kananovich, Dzmitry; Kulinkovich, Oleg** Tetrahedron 2013 / p. 6673-6678 : ill

**Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to electrophiles**

**Preegel, Gert; Noole, Artur; Kanger, Tõnis**; Pehk, Tõnis; **Lopp, Margus** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014

**Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to electrophiles**

**Preegel, Gert; Noole, Artur; Ilmarinen, Kaja; Järving, Ivar; Kanger, Tõnis**; Pehk, Tõnis; **Lopp, Margus** 248th ACS National Meeting and Exposition : August 10-14, 2014, San Francisco, CA : Chemistry and Global Stewardship 2014 / [1] p. : ill

**Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to nitro olefins**

**Preegel, Gert; Noole, Artur; Ilmarinen, Kaja; Järving, Ivar; Kanger, Tõnis**; Pehk, Tõnis; **Lopp, Margus** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Enantioselective organocatalytic Michael addition of cyclopentane-1,2-diones to nitroolefins**

**Preegel, Gert; Noole, Artur; Ilmarinen, Kaja; Järving, Ivar; Kanger, Tõnis**; Pehk, Tõnis; **Lopp, Margus** Synthesis 2014 / p. 2595-2600 : ill

**Enantioselective organocatalytic Michael addition–cyclization cascade of cyclopentane-1,2-dione with substituted (E)-2-oxobut-3-enates**

**Preegel, Gert; Ilmarinen, Kaja; Järving, Ivar; Kanger, Tõnis**; Pehk, Tõnis; **Lopp, Margus** Synthesis 2015 / p. 3805-3812 : ill

**Enantioselective organocatalytic synthesis of oxa-spirooxindole derivatives**

**Trubitsin, Dmitri; Žari, Sergei; Kudrjašova, Marina; Lippur, Kristin; Ošeka, Maksim; Kanger, Tõnis** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 161 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Enantioselective Tsuji-Trost reactions in low toxicity ionic liquids**

Ghavre, Mukund; Quilty, Brid; **Gathergood, Nicholas** Current green chemistry 2016 / p. 181-189 : ill <https://doi.org/10.2174/2213346103666160728115628>

**Enhanced expression of human prostaglandin H synthase-2 in the yeast Pichia pastoris and removal of the C-terminal tag with bovine carboxypeptidase A**

**Kukk, Kaia; Samel, Nigulas** Journal of biotechnology 2016 / p. 224-231 : ill <http://dx.doi.org/10.1016/j.jbiotec.2016.06.015>

**Enhancing of corrosion resistance of steel-bonded hardmetals in acid conditions**

**Kübarsepp, Jakob; Kallast, Vambola; Annuka, Harri** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 37-38 [https://www.ester.ee/record=b1492085\\*est](https://www.ester.ee/record=b1492085*est)

**Environmental risks and problems of the optimal management of an oil shale semi-coke and ash landfill in Kohtla-Järve, Estonia**

**Vallner, Leo; Gavrilova, Olga; Vilu, Raivo** Science of the total environment 2015 / p. 400-415 : ill

**E-prostaglandiini teke : väitekirj on esitatud Tallinna Tehnikaülikooli loodusteaduste magistrikaadi taotlemiseks : magistriröö**

**Kristjuhan, Siret** 1994 [https://www.ester.ee/record=b2089668\\*est](https://www.ester.ee/record=b2089668*est)

**Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins**

**Valgepea, Kaspar; Adamberg, Kaarel; Seiman, Andrus; Vilu, Raivo** Molecular biosystems 2013 / p. 2344-2358 : ill

**Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins**

**Valgepea, Kaspar; Adamberg, Kaarel; Seiman, Andrus; Vilu, Raivo** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

**Essential oil content and composition in Tanacetum vulgare L. herbs growing wild in Estonia**

**Raal, Ain; Orav, Anne; Gretšunikova, Tatjana** Journal of essential oil bearing plants 2014 / p. 670-675 : tab

**Estonian Academy of Sciences year book = Annales Academiae Scientiarum Estonicae 2014**

2015 [https://www.ester.ee/record=b1218154\\*est](https://www.ester.ee/record=b1218154*est)

**Estonian Academy of Sciences year book = Annales Academiae Scientiarum Estonicae 2015**

2016 [https://www.ester.ee/record=b1218154\\*est](https://www.ester.ee/record=b1218154*est)

**Estonia's energy-related greenhouse gas emissions in 1995-2011 : a structural decomposition analysis**

**Gavrilova, Olga; Vilu, Raivo** Review of economics & finance 2015 / p. 67-84 : ill <http://www.bapress.ca/ref/ref-article/1923-7529-2015-01-67-18.pdf>

**Ethane-bridged bis-porphyrin structural motif for effective supramolecular chirogenesis, sensor development, and light harvesting**

**Borovkov, Victor** The International Conference on Polymers and Advanced Materials (POLYMAT-2015) : Huatulco, Mexico, October 18-22, 2015 : abstracts book 2015 / p. 9-10

**EUCHEM2014 : Molten Salts and Ionic Liquids XXV : 6-11 July 2014, Tallinn, Estonia : programme**

2014 [https://www.ester.ee/record=b4777207\\*est](https://www.ester.ee/record=b4777207*est)

**Evaluation of the biological effects of engineered nanoparticles on unicellular pro- and eukaryotic organisms =**

**Sünteeiliste nanoosakeste bioloogiliste efektide hindamine üherakulistel pro- ja eukarüootsetel organismidel**

**Mortimer, Monika** 2011 [https://www.ester.ee/record=b2709099\\*est](https://www.ester.ee/record=b2709099*est)

**Evidence for two distinct binding sites for lipoprotein lipase on glycosylphosphatidylinositol-anchored high density lipoprotein-binding protein 1 (GPIHBP1)**

**Reimund, Mart; Larsson, Mikael; Kovrov, Oleg; Kasvandik, Sergio; Olivecrona, Gunilla; Lõokene, Aivar** Journal of biological chemistry 2015 / p. 13919-13934 : ill <http://www.jbc.org/cgi/doi/10.1074/jbc.M114.634626>

**Excess of threonine compared with serine promotes threonine aldolase activity in Lactococcus lactis IL1403**

**Aller, Kadri; Adamberg, Kaarel; Reile, Indrek; Timarova, Veronica; Peebo, Karl; Vilu, Raivo** Microbiology 2015 / p. 1073-1080 : ill <http://dx.doi.org/10.1099/mic.0.000071>

**Expression of human prostaglandin H synthases in the yeast Pichia pastoris = Inimese prostaglandiin H süntaaside ekspresseerimine pärmis Pichia pastoris**

**Kukk, Kaia** 2016 [http://www.ester.ee/record=b4621165\\*est](http://www.ester.ee/record=b4621165*est)

**Facile synthesis of distally fluorinated ketones by copper-mediated oxidative ring cleavage of cyclopropanols**

**Konik, Yulia A.; Zubrytski, Dzmitry M.; Gathergood, Nicholas; Kananovich, Dzmitry; Lopp, Margus** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 85 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Fenoolsete ühendite fotokatalüütiline oksüdeerimine põlevkivitööstuse heitvetes = Photocatalytical oxidation of phenolic compounds in wastewater from oil shale treatment**

**Preis, Sergei; Terentjeva, Jelena; Rožkov, Aleksei** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 153-154 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Fermentation of reconstituted milk by Streptococcus thermophilus : effect of irradiation on skim milk powder**

**Stulova, Irina; Kabanova, Natalja; Kriščiunaite, Tiina; Taivosalo, Anastassia; Laht, Tiiu-Maie; Vilu, Raivo** International dairy journal 2013 / p. 139-149 : 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

## **Fluorescence spectroscopy of sedimentary pore-water humic substances : a simple tool for retrospective analysis of lake ecosystems**

Leeben, Aina; Mikomägi, Annika; **Lepane, Viia**; **Alliksaar, Tiiu** Journal of soils and sediments 2014 / p. 269-279 : ill  
<https://doi.org/10.1007/s11368-013-0768-1>

## **Fluorescence, electrophoretic and chromatographic fingerprints of herbal medicines and their comparative chemometric analysis**

**Mazina, Jekaterina**; **Vaher, Merike**; **Kuhtinskaja, Maria**; Porõvkina, Larisa; **Kaljurand, Mihkel** Talanta 2015 / p. 233-246 : ill  
<http://dx.doi.org/10.1016/j.talanta.2015.02.050>

## **Foreword**

**Kuusik, Rein**, **keemik** Reports of Tallinn Technical University. G, Chemistry and chemical engineering = Tallinna Tehnikaülikooli ülevaated. G, Chemistry and chemical engineering = Отчеты Таллинского технического университета. G, Chemistry and chemical engineering : Department of Chemistry : activity report 1996 / p. 5 [https://www.ester.ee/record=b1060032\\*est](https://www.ester.ee/record=b1060032*est)

## **Fosforiidipeo ajupesu ja akadeemiline bluff**

**Strandberg, Marek** Õhtuleht 2016 / lk. 10-11

## **Fosforiit : kas alternatiiv on olemas?**

**Strandberg, Marek** Inseneeria 2016 / lk. [22] : ill

## **Fragment-based QSAR approach for novel indole-like TrkA receptor antagonist**

**Tammiku-Taul, Jaana**; **Dobchev, Dimitar Atanasov**; Karelson, Mati; **Timmusk, Tõnis**; **Park, Rahel**; **Jaanson, Kaur**; **Luberg, Kristi**; **Kananovich, Dzmitry**; **Noole, Artur**; **Kanger, Tõnis**; **Lopp, Margus** 8th International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources (CMTPI-2015) : Chios, Greece, June 21-25, 2015 : book of abstracts 2015 / p. 68

## **Fragment-based QSAR for the prediction of novel Trk inhibitors**

**Tammiku-Taul, Jaana**; **Karelson, Mati**; **Dobchev, Dimitar Atanasov** XIV European Symposium of Organic Reactivity (ESOR XIV) : book of abstracts 2013 / p. 181

## **Fragment-based QSAR for the prediction of novel TrkA inhibitors**

**Tammiku-Taul, Jaana**; **Karelson, Mati**; **Dobchev, Dimitar Atanasov** Scientific programme & book of abstracts : QSAR 2014 2014 / p. 170

## **Füüsika lugu : [Ivar Piiri raamatu "Füüsika ajalugu: õpik kõrgkoolidele" põhjal]**

**Strandberg, Marek** Sirp 2014 / lk. 36 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/2014-01-16-14-09-58-2/>

## **GE katsetab turbiinajamis süsihappegaasi**

**Strandberg, Marek** Inseneeria 2016 / lk. [6] : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)

## **Glucose activates NOX signaling pathway in platelets**

**Kobzar, Gennadi**; **Mardla, Vilja**; **Samel, Nigulas** Primary care diabetes 2016 / p. e5 <http://dx.doi.org/10.1016/j.pcd.2016.08.017>

## **Glükogeeni ainevahetus ja pentoosfosfaadirada : 11. osa**

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 389-428 : ill

## **Glükoosi pidurdav toime trombotsüütide agregatsiooni inhibeerimisele COXi inhibiitorite ja L-arginiiniga in vitro**

**Mardla, Vilja**; **Rooks, Ebe**; **Kobzar, Gennadi**; **Samel, Nigulas** Eesti Arst 2014 / lk. 263-267 : ill

## **Halogeenide kõrgtemperatuurne difusioon polüparafenüleenis = High temperature diffusion of halogens in polyparaphenylene**

**Golovtsov, Igor**; **Õpik, Andres** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 31-32 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

## **Heterogeneous platinum catalytic aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones**

Reile, Indrek; **Kalle, Sigrid**; **Werner, Franz**; **Järving, Ivar**; **Kudrjašova, Marina**; **Paju, Anne**; **Lopp, Margus** Tetrahedron 2014 / p. 3608-3613 : ill

## **High-performance liquid chromatography (HPLC)-size exclusion chromatography (SEC) for qualitative detection of humic substances and dissolved organic matter in mineral soils and peats in Lithuania**

**Jokubauskaite, Ieva**; **Amaleviciute, Kristina**; **Lepane, Viia**; **Slepetiene, Alvyra**; **Slepetys, Jonas**; **Liaudanskiene, Inga**; **Karcauskiene, Danute**; **Booth, Colin A.** International journal of environmental analytical chemistry 2015 / p. 508-519 : ill  
<http://dx.doi.org/10.1080/03067319.2015.1048435>

## **HPLC study of dissolved organic matter dynamics and water quality in River Vääna, Estonia**

**Lepane, Viia; Suursööt, Kristel** [IHSS 18 - 18th International Conference of International Humic Substances Society : Kanazawa City, Ishikawa, Japan, September 11 - 16, 2016 : book of abstracts] 2016 / [2] p

## **Identification and characterization of dairy-related Lactobacillus**

**Kask, Signe** 2003 [https://www.ester.ee/record=b1782591\\*est](https://www.ester.ee/record=b1782591*est)

## **Identification and structure-functional characterisation of the gene transcriptional repressor domain of human Gli proteins = Inimese Gli-alkude transkriptsioonilise repressordomeeni määramine ja struktuurilis-funktsionaalne iseloomustus**

**Tsanev, Robert** 2014 [https://www.ester.ee/record=b4412583\\*est](https://www.ester.ee/record=b4412583*est)

## **Identification of a small molecule that stabilizes lipoprotein lipase in vitro and lowers triglycerides in vivo**

**Larsson, Mikael; Caraballo, Remi; Lookene, Aivar** Biochemical and biophysical research communications 2014 / p. 1063-1069 : ill

## **Impact of alkalisation of the soil on the anatomy of Norway spruce (Picea abies) needles**

**Lukjanova, Aljona; Mandre, Malle; Saarman, Gerly** Water, air, and soil pollution 2013 / p. 1-12 : ill

## **Impact of seasonal climate change on optical and molecular properties of river water dissolved organic matter by HPLC**

**Lepane, Viia; Väli, Anna-Liisa; Suursööt, Kristel** The 17th Meeting of the International Humic Substances Society : book of abstracts : Ioannina, Greece 1-5 September 2014 2014 / p. 34-35 : ill

## **Impact of seasonal climate change on optical and molecular properties of river water dissolved organic matter by HPLC-SEC and UV-vis spectroscopy**

**Lepane, Viia; Depret, Laura; Väli, Anna-Liisa; Suursööt, Kristel** Chemical and Biological Technologies in Agriculture 2015 / p. 1-7 : ill <http://dx.doi.org/10.1186/s40538-015-0040-6>

## **Improved C5D electronic realization of conductivity detector for capillary electrophoresis**

**Jaanus, Martin; Udal, Andres; Kukk, Vello; Umbleja, Kadri; Gorbatšova, Jelena; Mölder, Lauri** Elektronika ir elektrotehnika = Electronics and electrical engineering 2016 / p. 29-32 : ill <http://dx.doi.org/10.5755/j01.eie.22.3.15311>

## **In silico approach to finding new scaffolds for LRRK2 inhibition**

**Kahn, Iiris; Lomaka, Andre; Karelson, Mati** European Pharma Summit : Berlin, Germany, May 5-8, 2015 : abstracts 2015 / [1] p

## **In silico machine learning methods in drug development**

**Dobchev, Dimitar Atanasov; Pillai, Girinath Gopinathan; Karelson, Mati** Current topics in medicinal chemistry 2014 / p. 1913-1922

## **Indole-like Trk receptor antagonists**

**Tammiku-Taul, Jaana; Park, Rahel; Jaanson, Kaur; Luberg, Kristi; Dobchev, Dimitar Atanasov; Kananovich, Dzmitry; Noole, Artur; Mandel, Merle; Kaasik, Allen; Lopp, Margus; Timmusk, Tõnis; Karelson, Mati** European journal of medicinal chemistry 2016 / p. 541-552 : ill <https://doi.org/10.1016/j.ejmech.2016.06.003>

## **Influence of microstructure of the curd on enzymatic and microbiological processes in Swiss-type cheese**

**Laht, Tiit-Maie** 2003 [https://www.ester.ee/record=b1782607\\*est](https://www.ester.ee/record=b1782607*est)

## **Informatsiooni magnetkanal inimkehas**

**Strandberg, Marek** Inseneeria 2015 / lk. 6

## **Inhibition of platelet aggregation with combination of antiplatelet agents = Trombotsüütide agregatsiooni inhibeerimine antiagregatiivsete ainete kombineerimisega**

**Mardla, Vilja** 2008 [https://www.ester.ee/record=b2367690\\*est](https://www.ester.ee/record=b2367690*est)

## **Insight into the mechanism and stereochemistry of the transformations of alkyltitanium ate-complexes. An enhanced enantioselectivity in the cyclopropanation of the carboxylic esters with titanacyclopropane reagents**

**Kulinkovich, Oleg G.; Kananovich, Dzmitry G.; Lopp, Margus; Snieckus, Victor** Advanced synthesis and catalysis 2014 / p. 3615-3626 : ill

## **Insight into the mechanism and stereochemistry of the transformations of alkyltitanium ate-complexes. An enhanced enantioselectivity in the cyclopropanation of the carboxylic esters with titanacyclopropane reagents**

**Kananovich, Dzmitry; Lopp, Margus; Snieckus, Viktor; Kulinkovich, Oleg** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014 / p. 76

## **Integrated and organized cellular bioenergetic systems in heart and brain**

**Anmann, Tiia** 2007 [http://www.ester.ee/record=b2281020\\*est](http://www.ester.ee/record=b2281020*est)

#### **Interaction of humic substances with metal cations**

**Übner, Monika** 2004 [https://www.ester.ee/record=b1990652\\*est](https://www.ester.ee/record=b1990652*est)

#### **International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts**

**Sniečkus, Victor; Lopp, Margus** 2006 [http://www.ester.ee/record=b2155608\\*est](http://www.ester.ee/record=b2155608*est)

#### **Investigation of 11R-lipoxygenase quaternary structure**

**Eek, Priit; Pöldemaa, Kaspar; Kasvandik, Sergo; Järving, Ivar; Samel, Nigulas** Book of abstracts : 6th European Workshop on Lipid Mediators (6EWLM), Goethe University in Frankfurt am Main, Germany, September 27-30, 2016 2016 / p. 112 [http://workshop-lipid.eu/pictures/Abstract%20book-6EWLM\\_160926.pdf](http://workshop-lipid.eu/pictures/Abstract%20book-6EWLM_160926.pdf)

#### **Investigation of endogenous antioxidants and their synthetic analogues by capillary electrophoresis = Endogeensete antioksüdantide ja nende sünteetiliste analoogide uurimine kapillaarelektroforeesi meetodil**

**Kazarjan, Jana** 2016

#### **Investigation of the adsorption and desorption of sulfur mustard degradation products in sediments by capillary electrophoresis [Online resource]**

**Lees, Heidi; Vaher, Merike; Kaljurand, Mihkel** CECE 2016 : 13th International Interdisciplinary Meeting on Bioanalysis : October 17-19, 2016, Hotel Continental, Brno, Czech Republic : [proceedings] 2016 / p. 182-185 : ill [http://www.ce-ce.org/CECE2016/Proceedings%20CECE%202016\\_WOS.pdf](http://www.ce-ce.org/CECE2016/Proceedings%20CECE%202016_WOS.pdf)

#### **Investigation of the surfactant type and concentration effect on the retention factors of glutathione and its analogues by micellar electrokinetic chromatography**

**Kazarjan, Jana; Mahlapuu, Riina; Hansen, Mats; Soomets, Ursel; Kaljurand, Mihkel; Vaher, Merike** Journal of separation science 2015 / p. 3461-3468 : ill <http://dx.doi.org/10.1002/jssc.201500567>

#### **Ionic liquids as solvents for making composite materials from cellulose**

**Elhi, Fred; Aid, Tiina; Koel, Mihkel** Proceedings of the Estonian Academy of Sciences 2016 / p. 255-266 : ill <http://dx.doi.org/10.3176/proc.2016.3.09>

#### **Ionic liquids as specific additives in separation methods**

**Koel, Mihkel; Vaher, Merike** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 35 [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

#### **Ionic liquids in capillary electrophoresis**

**Vaher, Merike** Analytical applications of ionic liquids 2016 / p. 105-136 : ill [http://www.ester.ee/record=b4620895\\*est](http://www.ester.ee/record=b4620895*est)

#### **Iridium PCP pincer complexes in electrochemical CO<sub>2</sub> hydrogenation**

**Osadchuk, Irina; Ahlquist, Marten S. G.** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [2] p. : ill

#### **Isesõitev auto liidab inimesi**

**Strandberg, Marek** Inseneeria 2016 / lk. [6] : ill

#### **Isomers and conformers of complexes of Ti(OiPr)<sub>4</sub> with cuclopentane-1,2-dione : NMR study and DFT calculations**

**Osadchuk, Irina; Pehk, Tõnis; Paju, Anne; Lopp, Margus; Öeren, Mario; Tamm, Toomas** International journal of quantum chemistry 2014 / p. 1012-1018 : ill

#### **Kahe tuhande viieteistkümnenda aasta jaanuarikuus kaitstud inseneeria ja tehnoloogia ning tööstuse valdkonna doktoriväitekirjad [TTÜs]**

Inseneeria 2015 / lk. 46, 48

#### **2015. aasta veebruaris ja märtsis kaitstud inseneeria ja tehnoloogia ning tööstuse valdkonna doktoriväitekirjad [TTÜs]**

Inseneeria 2015 / lk. 8-11

#### **21. sajandi Eesti kool ning loodusõpetus**

**Vilu, Raivo** Loodusõpetus Eesti kooli uues õppekavas : loodusõpetuse õpetajate I üleriigiline konverents Tallinna Tehnikaülikoolis 1998 / lk. 51-73

#### **Kakutiibadest tuulegeneraatorilabad**

**Strandberg, Marek** Inseneeria 2015 / lk. 6

#### **Kapillaarelektroforees bioanalüütikas**

**Kaljurand, Mihkel** Teadusmõte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 233-239 : ill [https://www.ester.ee/record=b2230239\\*est](https://www.ester.ee/record=b2230239*est)

**Kas paavst või rektor?**

**Strandberg, Marek** Inseneeria 2015 / lk. 6

**Kas praamimonopol või lihtsalt väga head praamid? : [Vjatšeslav Leedo ärist]**

**Strandberg, Marek** Inseneeria 2014 / lk. 28-32 : fot

**Kas rektor või paavst?**

**Strandberg, Marek** Eesti Ekspress 2015 / lk. 38

**Kas tehiskirg haarab inimkonna oma kontrolli alla enne tehisintellekti?**

**Strandberg, Marek** Inseneeria 2014 / lk. 10-12 : ill

**Keemia alused : praktikum**

2004 [http://www.ester.ee/record=b1953691\\*est](http://www.ester.ee/record=b1953691*est)

**Keemia Instituut. Publikatsioonid 1989-2002 = Institute of Chemistry. Publications 1989-2002**

2003 [https://www.ester.ee/record=b1778779\\*est](https://www.ester.ee/record=b1778779*est)

**Keemiainsenerid Tallinna Tehnikaülikoolist**

**Õpik, Andres; Mikkal, Valdek** Eesti Keemia Selts 75 1994 / lk. 56-62: sk [https://www.ester.ee/record=b1065478\\*est](https://www.ester.ee/record=b1065478*est)

**Keemiline defitsiit : [mineraalelementide ja vitamiinide vaegusest lastel]**

Silla, Raiot; **Viitak, Anu** Tervisekaitse 1995 1996 / lk. 86-91 : ill [https://www.ester.ee/record=b1226408\\*est](https://www.ester.ee/record=b1226408*est)

**Kemomeetria**

**Kaljurand, Mihkel** 2008 [http://www.ester.ee/record=b2431325\\*est](http://www.ester.ee/record=b2431325*est)

**Kemomeetria, kromatograafia ja kompuutrid analüütikas - kas midagi jääb ka katseklaasikeemiale?**

**Kaljurand, Mihkel** Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 161

[https://www.ester.ee/record=b1052731\\*est](https://www.ester.ee/record=b1052731*est)

**Kemomeetriline hinnang raskmetallide sisaldusele muldades = Hemometrical look at the heavy metals in soils**

**Hödrejäär, Helvi** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 43-44 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Kerra püütud valgus**

**Strandberg, Marek** Inseneeria 2015 / lk. 10 : fot

**Kes on päikesekeemikud?**

**Koel, Mihkel** Inseneeria 2014 / lk. 44-45 : fot

**Kes tegi? Ti tegi! Korduv ajalugu - sedapuhku relvatehnika vallas**

**Strandberg, Marek** Inseneeria 2015 / lk. 8-10 : fot

**Keskkonnasensorid juhtivatel polümeeridel = Environmental sensors based conductive polymers**

**Bereznev, Sergei; Sõritski, Vitali; Õpik, Andres** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 17-18 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Kinetic resolution of epoxy alcohols with the Sharpless Ti isopropoxide/tartaric ester complex**

**Maljutenko, Karolin; Paju, Anne; Pehk, Tõnis; Järving, Ivar; Lopp, Margus** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 112 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Kinetic resolution of epoxy alcohols with the Sharpless Ti-isopropoxide/tartaric ester complex**

**Maljutenko, Karolin; Paju, Anne; Järving, Ivar; Pehk, Tõnis; Lopp, Margus** Tetrahedron : asymmetry 2016 / p. 608-613 : ill <https://doi.org/10.1016/j.tetasy.2016.05.007>

**Koagulandi saamine glaukoniidist = Obtaining coagulant from glauconite**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Aasamäe, Ernst** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 89-90 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Kolloidkeemia loengujoonised**

1993 [https://www.ester.ee/record=b1065018\\*est](https://www.ester.ee/record=b1065018*est)

**3D-printimine teel tööstusesse**

Puusild, Harro; **Strandberg, Marek** Äripäev 2016 / lk. 34-35

### **3D-kaamerad - jälle üks**

**Strandberg, Marek** Inseneeria 2015 / lk. 41 : ill

### **3D-printimise tavatu turvaauk**

**Strandberg, Marek** Inseneeria 2016 / lk. [8] : ill

### **31. ptk. Nukleotiidide ainevahetus**

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 519-536 : ill

### **13. ptk. Seedimine: toidu ümbertöötlemine raku biomolekulideks; 14. ptk. Ainevahetus: üldpõhimõtted ja muster; 15. ptk. Glükolüüs; 16. ptk. Glükoneogenees**

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 207-286 : ill

### **Konnektoom ehk ajast ja selle juhtmestikust**

**Strandberg, Marek** Inseneeria 2015 / lk. 20

### **Kuidas hoiduda arengulõksust?**

**Veinthal, Renno; Lopp, Margus; Kattel, Rainer; Öpik, Andres; Kamratov, Ardo** Mente et Manu 2014 / lk. 4-7 : fot

[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Kvaliteeditagamise analüütilises keemias**

Leito, Ivo; **Viitak, Anu** 2007 [https://www.ester.ee/record=b2238181\\*est](https://www.ester.ee/record=b2238181*est)

### **Kõhedusttekitavad modellid - prussakad**

**Strandberg, Marek** Inseneeria 2016 / lk. 9 : ill

### **Laboratoorsete tööde protokollivihik**

2011 [http://www.ester.ee/record=b2322285\\*est](http://www.ester.ee/record=b2322285*est)

### **Laboratoorsete tööde protokollivihik**

2007 [http://www.ester.ee/record=b2322285\\*est](http://www.ester.ee/record=b2322285*est)

### **Laboratoorsete tööde protokollivihik**

2014 [http://www.ester.ee/record=b3071026\\*est](http://www.ester.ee/record=b3071026*est)

### **Laboratoorsete tööde protokollivihik**

2004 [http://www.ester.ee/record=b4257378\\*est](http://www.ester.ee/record=b4257378*est)

### **Laboratoorsete tööde protokollivihik**

2013 [http://www.ester.ee/record=b2322285\\*est](http://www.ester.ee/record=b2322285*est)

### **Laboratoorsete tööde protokollivihik**

2016 [http://www.ester.ee/record=b3071026\\*est](http://www.ester.ee/record=b3071026*est)

### **Laboratoorsete tööde protokollivihik**

2015

### **Laboratoorsete tööde protokollivihik**

2012

### **Laboratoorsete tööde protokollivihik**

2009 [http://www.ester.ee/record=b2322285\\*est](http://www.ester.ee/record=b2322285*est)

### **Laboratoorsete tööde protokollivihik**

2006 [https://www.ester.ee/record=b2409442\\*est](https://www.ester.ee/record=b2409442*est)

### **Lactate is a possible mediator of the glucose effect on platelet inhibition**

**Kobzar, Gennadi; Mardla, Vilja; Samel, Nigulas** Platelets 2014 / p. 239-245 : ill

### **Lahendus liitiumikriisile, tulevasele liitiumikriisile**

**Strandberg, Marek** Inseneeria 2016 / lk. 8 : fot

### **Lean-proteome strains - next step in metabolic engineering**

Valgepea, Kaspar; **Peebo, Karl; Adamberg, Kaarel; Vilu, Raivo** Frontiers in bioengineering and biotechnology 2015 / p. 1-4  
<http://dx.doi.org/10.3389/fbioe.2015.00011>

**Leiutajatel on laiutamisruumi küllaga : juhtkiri**  
**Strandberg, Marek** Inseneeria 2014 / lk. 4

**Lignotselluloosse biomassi eeltöötus ionsete vedelikega**  
**Aid, Tiina; Koel, Mihkel; Vaher, Merike** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 11

**Liitiumipuudust saab ravida magneesiumiga**  
**Strandberg, Marek** Inseneeria 2016 / lk. [7] : ill [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)

**Lipase-catalysed acyl transfer in deoxysugars : a computational study**  
**Kaevand, Toomas; Villo, Ly; Metsala, Andrus; Parve, Omar; Lille, Ülo** International journal of engineering and applied sciences (EAAS) 2015 / p. 1-7 : ill

**Lipase-catalysed reactions of prostaglandins**  
**Vallikivi, Imre** 2004 [https://www.ester.ee/record=b1990575\\*est](https://www.ester.ee/record=b1990575*est)

**Lipase-catalyzed stereoresolution of long-chain 1,2-alkanediols: a screening of preferable reaction conditions**  
**Parve, Jaan; Reile, Indrek; Aid, Tiina; Kudrjašova, Marina; Müürisepp, Aleksander-Mati; Vallikivi, Imre; Villo, Ly; Aav, Riina; Pehk, Tõnis; Vares, Lauri; Parve, Omar** Journal of molecular catalysis B : enzymatic 2015 / p. 60-69 : ill  
<http://dx.doi.org/10.1016/j.molcatb.2015.03.006>

**"Lipolase" allub sekundaarsete alkoholide enantioeelistuse üldisele reeglile nii vesi kui ka superkriitilise SKCO<sub>2</sub> keskkonnas = "Lipolase" obeys the general enantiopreference rule of secondary alcohols in water and supercritical (SC)CO<sub>2</sub> media as well**  
**Lille, Ülo; Metsala, Andrus; Parve, Omar; Tõugu, Vello; Vija, Heiki** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 101-102

**Lipoxygenase-allene oxide synthase pathway in octocoral thermal stress response**  
**Lõhelaid, Helike; Teder, Tarvi; Samel, Nigulas** Coral reefs 2015 / p. 143-154 : ill

**Lipoxygenase-catalyzed transformation of epoxy fatty acids to hydroxy-endoperoxides : a potential P450 and lipoxygenase interaction**  
**Teder, Tarvi; Boeglin, William E.; Brash, Alan R.** Journal of lipid research 2014 / p. 2587-2596 : ill <http://dx.doi.org/10.1194/jlr.M054072>

**Looduskeskkonna toime ehitiste ja konstruktsioonide kivi- ja puitmaterjalidele**  
**Põldme, Meeme; Kallavus, Urve; Utsal, Kalju** Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 276 [https://www.ester.ee/record=b1052731\\*est](https://www.ester.ee/record=b1052731*est)

**Loomakasvatustes ja lihatööstuses tekkivate loomsete kõrvalsaaduste kasutusvõimalused biogaasi ja orgaanilise väetise tootmiseks**  
**Pitk, Peep** Lihafoorum 2013 / lk. 17-21 : ill

**Maailma tuleviku energeetikaliidrid Koreas**  
**Preegel, Gert** Mente et Manu 2014 / lk. 21 [https://artiklid.elnet.ee/record=b2656744\\*est](https://artiklid.elnet.ee/record=b2656744*est)

**Mapping capability of SFS method combined with cluster analysis for illegal drugs distribution : feasibility study**  
**Mazina, Jekaterina; Kaljurand, Mihkel; Porõvkina, Larisa** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [2] p. : ill

**Marek Strandberg: "Hea peaminister, vana puu peeretus pole ohtlik!"**  
**Teder, Teet; Strandberg, Marek** Õhtuleht 2016 / lk. 2

**Margus Lopp 60**  
**Mente et Manu** 2009 / lk. 5 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

**Matemaatika-loodusteaduskond**  
**Muks, Elvi; Kelve, Merike; Lille, Ülo** Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 72-78 : ill  
[https://www.ester.ee/record=b2412718\\*est](https://www.ester.ee/record=b2412718*est)

**Meditiinidiagnostika labor käepärastest vahenditest**  
**Strandberg, Marek** Inseneeria 2015 / lk. 9 : ill

**Meie maailm paistab olevat väike virvendus**  
**Strandberg, Marek** Sirp 2013 / lk. 24 : fot

**Mesophilic co-digestion of dairy manure and lipid rich solid slaughterhouse wastes : process efficiency, limitations and floating granules formation**

**Pitk, Peep**; Palatsi, Jordi; Kaparaju, Prasad; Fernandez, Belen; **Vilu, Raivo** Bioresource technology 2014 / p. 168-177 : ill

**A metabolic study of insect cells in batch and continuous culture : application of chemostat and turbidostat to the production of recombinant proteins**

**Drews, Monika** 1999 [http://www.ester.ee/record=b1055103\\*est](http://www.ester.ee/record=b1055103*est)

**Metal-doped aerogels based on resorcinol derivatives = Resortsinooli derivaatidel põhinevad metalli sisaldavad aergeelid**

**Kreek, Kristiina** 2016 [http://www.ester.ee/record=b4619897\\*est](http://www.ester.ee/record=b4619897*est)

**Metallide korrosioon ja korrosioonitõrje : loengukonspekt**

**Talimets, Ellen** 2004 [https://www.ester.ee/record=b1926933\\*est](https://www.ester.ee/record=b1926933*est)

**Metallothionein 2A affects the cell respiration by suppressing the expression of mitochondrial protein cytochrome c oxidase subunit II**

**Bragina, Olga**; Gurjanova, Karina; Krištal, Jekaterina; Kulp, Maria; Karro, Niina; Tõugu, Vello; Palumaa, Peep Journal of bioenergetics and biomembranes 2015 / p. 209-216 : ill <http://dx.doi.org/10.1007/s10863-015-9609-9>

**Methylphosphonic acid as a <sup>31</sup>P-NMR standard for the quantitative determination of phosphorus in carbonated beverages**

**Kõllo, Marek**; Kudrjašova, Marina; Kulp, Maria; Aav, Riina Analytical methods 2013 / p. 4005-4009 : ill

**Microcalorimetric study of growth of Lactococcus lactis IL1403 at low glucose concentration in liquids and solid agar gels**

**Kabanova, Natalja**; Stulova, Irina; Vilu, Raivo Thermochimica acta 2013 / p. 69-75 : ill

**Microcalorimetric study of the growth of Streptococcus thermophilus in renneted milk**

**Stulova, Irina**; Kabanova, Natalja; Kriščiunaite, Tiina; Adamberg, Kaarel; Laht, Tiiu-Maie; Vilu, Raivo Frontiers in microbiology 2015 / p. 1-13 : ill <http://dx.doi.org/10.3389/fmicb.2015.00079>

**Microcalorimetry of anaerobic digestion**

**Menert, Anne** 2001 [https://www.ester.ee/record=b1570004\\*est](https://www.ester.ee/record=b1570004*est)

**Microprinted carbon aerogel electrodes for sensors and actuators**

Põldsalu, Inga; Peikolainen, Anna-Liisa; Greco, Francesco; **Kreek, Kristiina**; Aabloo, Alvo TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Mida vajavad tulevikuautod kütuseks?**

**Niidu, Allan** Inseneeria 2015 / lk. 12-19 : ill

**Mikrobioloogilises töös kasutatavad põhimõtted ja -meetodid. Biotehnoloogia laboratoorsete tööde juhend. Lisad [Elektroniline teavik]**

2015 <http://www.ttu.ee/matemaatika-loodusteaduskond/keemiainstituut/biotehnoloogia-oppetool/materjalid-5/biotehnoloogia-i-ykb-1130/laborimaterjalid-4/>

**Mikroobimaailmaga seotud erijuhud - või otse vastupidi? : lisalugemist mikrobioloogiast [Elektroniline teavik]**

2015 <http://www.ttu.ee/matemaatika-loodusteaduskond/keemiainstituut/biotehnoloogia-oppetool/materjalid-5/biotehnoloogia-i-ykb-1130/laborimaterjalid-4/>

**Mis presidendivalimistel tegelikult juhtus?**

**Strandberg, Marek** Õhtuleht 2016 / lk. 8

**Model studies for the coupling of AB-ring and D-ring fragments of 9,11-secoosterols**

**Kõllo, Marek**; Rom, Siimu; Välimets, Silja; Lopp, Margus Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 96 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Modified calcium apatites as new catalysts in organic synthesis**

**Tõnsuaadu, Kaia**; Gruselle, Michel; Moussa, Jamal; Villemin, Didier; Maaten, Birgit; Kanger, Tõnis International Symposium on Inorganic and Environmental Materials 2013 : program and abstracts, October 27-31, 2013, Rennes, France 2013 / p. 277

## **Molecular system bioenergetics of cardiac cells : quantitative analysis of structure-function relationship**

**Tepp, Kersti** 2011

## **Monitoring biomass degradation, isomerization of glucose to fructose and conversion to 5-HMF in ionic liquids by CE**

**Aid, Tiina; Lopp, Margus; Vaher, Merike** 40th International Symposium on Capillary Chromatography and 13th GC×GC Symposium : May 29 - June 03, 2016, Riva del Garda Fierecongressi, Riva del Garda, Italy : abstract book 2016 / p. 271

## **Monitoring cellulose degradation and glucose conversion to 5-hydroxymethylfurfural in ionic liquids**

**Aid, Tiina; Vaher, Merike; Lopp, Margus** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 39 : ill [http://boschem.eu/old/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://boschem.eu/old/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

## **Multiplying steady-state culture in multi-reactor system**

**Erm, Sten; Adamberg, Kaarel; Vilu, Raivo** Bioprocess and biosystems engineering 2014 / p. 2361-2370 : ill

## **Mutual Lewis acid–base interactions of cations and anions in ionic liquids**

Holzweber, Markus; **Koel, Mihkel** Chemistry : a European journal 2013 / p. 288-293 : ill

## **Müürirobot**

**Strandberg, Marek** Inseneeria 2015 / lk. 6

## **Myosins XI-K, XI-1, and XI-2 are required for development of pavement cells, trichomes, and stigmatic papillae in Arabidopsis [Online resource]**

**Ojangu, Eve-Ly; Tanner, Krista; Pata, Pille; Järve, Kristel; Talts, Kristiina; Truve, Erkki; Paves, Heiti** Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 49-50  
[http://environ.emu.ee/userfiles/environ/Abstract\\_Book\\_ENVIRON%20final%20conference%202015.pdf](http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf)

## **Naatriumi ja magneesiumi asendustega kaltsium-fluorkarbonaatapatiitide süntees : magistritöö**

**Peld, Merike** 1995 [https://www.ester.ee/record=b2078669\\*est](https://www.ester.ee/record=b2078669*est)

## **Nanorobotid elusorganismis ja inimnaha liim - see on supramolekulaarne keemia**

**Aav, Riina** Inseneeria 2015 / lk. 30-32 : ill

## **Negishi cross-coupling for the synthesis 1,2-cyclopentanediones : a short way to lycoperdic acid and its homoanalogue**

**Kostomarova, Diana; Paju, Anne; Pehk, Tõnis; Lopp, Margus** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014 / p. 81

## **40. ptk. Valgubiokeemia meetodid**

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 669-692 : ill

## **4. osa. Süsivesikud ja lipiidid**

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 129-164 : ill

## **New approaches in capillary electrophoresis for separation and study of proteins = Kapillaarelektroforeesi uued lahendused valkude lahutamisel ja uurimisel**

**Knjazeva, Tatjana** 2011

## **New chiral cyclohexylhemicucurbit[6]uril**

**Aav, Riina; Shmatova, Elena; Reile, Indrek; Borissova, Maria; Topic, Filip; Rissanen, Kari** Organic letters 2013 / p. 3786-3789 : ill

## **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 dual coagulant for water purification**

**Kuusik, Rein; keemik; Viisimaa, Ludmilla** Water research 1999 / 9, p. 2075-2082: ill

## **New homologues of chiral cyclohexylhemicucurbit[n]urils**

**Fomitšenko, Maria; Shmatova, Elena; Öeren, Mario; Järving, Ivar; Aav, Riina** Supramolecular chemistry 2014 / p. 698-703 : ill

## **N-glycosylation site occupancy in human prostaglandin H synthases expressed in Pichia pastoris**

**Kukk, Kaia; Kasvandik, Sergio; Samel, Nigulas** SpringerPlus 2014 / p. 1-9 : ill

## **N-glycosylation site occupancy in prostaglandin H synthases expressed in Pichia pastoris**

**Kukk, Kaia; Kasvandik, Sergio; Samel, Nigulas** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts

2014, Tartu 2014 / [1] p

**Nitritating-anammox biomass tolerant to high dissolved oxygen concentration and C/N ratio in treatment of yeast factory wastewater**

Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; **Seiman, Andrus; Loorits, Liis** Environmental technology 2014 / p. 1565-1576 : ill

**NMR study of the remote activation of the nucleophilicity of isatin imines**

**Kudrjašova, Marina; Žari, Sergei;** Pehk, Tõnis; **Kanger, Tõnis** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014 / p. 87

**Nobeli keemiaauhind anti julguse eest murda mõttebarjääre**

**Parve, Omar** Sirp 2016 / lk. 36-37 : ill <http://www.sirp.ee/s1-artiklid/c21-teadus/nobeli-keemiaauhind-anti-julguse-eest-murda-mottebarjaare/>

**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](https://www.ester.ee/record=b2508733*est)

**Novel fatty acid dioxygenases from the corals Plexaura homomalla and Gersemia fruticosa**

**Koljak, Reet** 2001 [https://www.ester.ee/record=b1551345\\*est](https://www.ester.ee/record=b1551345*est)

**Novel membrane-associated prostaglandin E synthase-2 from crustacean arthropods**

**Hansen, Kristella; Varvas, Külliki; Järving, Ivar; Samel, Nigulas** Comparative biochemistry and physiology. Part B, Biochemistry and molecular biology 2014 / p. 45-52 : ill

**Nutritional requirements and media development for Lactococcus lactis IL1403**

**Aller, Kadri; Adamberg, Kaarel; Timarova, Veronica;** Seiman, Andrus; **Feštšenko, Darja; Vilu, Raivo** Applied microbiology and biotechnology 2014 / p. 5871-5881 : ill

**Nähtamatud mõjud**

**Strandberg, Marek** Inseneeria 2015 / lk. 4

**On the charge carrier time-of-flight mobility and the ordering effects in the microcrystalline PEDOT/PSS complex : a morphology-based simulation study**

**Kaevand, Toomas; Kalda, Jaan; Lille, Ülo** International journal of renewable energy and biofuels 2013 / p. 1-13 : ill

**On the way to greener ionic liquids : identification of a fully mineralizable phenylalanine-based ionic liquid**

Haiss, Annette; Jordan, Andrew; Westphal, Janin; Logunova, Evgenia; **Gathergood, Nicholas;** Kümmerer, Klaus Green chemistry 2016 / p. 4361-4373 : ill <http://dx.doi.org/10.1039/C6GC00417B>

**Optimization of processes of microbial biosynthesis of isotopically labeled biomolecules and their complexes**

**Vanatalu, Kalju** 1999 [http://www.ester.ee/record=b1273061\\*est](http://www.ester.ee/record=b1273061*est)

**An optimized capillary electrophoresis method for the simultaneous analysis of biomass degradation products in ionic liquid containing samples**

**Aid, Tiina; Paist, Loore; Lopp, Margus; Kaljurand, Mihkel; Vaher, Merike** Journal of chromatography A 2016 / p. 141-147 : ill <http://dx.doi.org/10.1016/j.chroma.2016.04.027>

**Orgaaniline keemia : õpik kõrgkoolidele**

Carey, Francis A; Giuliano, Robert M 2014 [http://www.ester.ee/record=b3084143\\*est](http://www.ester.ee/record=b3084143*est)

**Orgaanilise keemia nomenklatuuri põhimõtted**

**Kanger, Tõnis** 2010 [https://www.ester.ee/record=b2615236\\*est](https://www.ester.ee/record=b2615236*est)

**Orgaanilise keemia nomenklatuuri põhimõtted**

**Kanger, Tõnis** 2012 [http://www.ester.ee/record=b2615236\\*est](http://www.ester.ee/record=b2615236*est)

**Orgaanilise keemia praktikum : laboratoorsed tööd. I**

2004 [http://www.ester.ee/record=b1905872\\*est](http://www.ester.ee/record=b1905872*est)

**Orgaanilise keemia praktikum : laboritehnika**

2004 [https://www.ester.ee/record=b1994262\\*est](https://www.ester.ee/record=b1994262*est)

**Orgaanilise keemia praktikum : ohutustehnika ja laboris töötamise kord**

2005 [http://www.ester.ee/record=b2067856\\*est](http://www.ester.ee/record=b2067856*est)

**Organic aerogels based on 5-methylresorcinol = Orgaanilised aerogeelid 5-metüülresortsinoolist**  
**Peikolainen, Anna-Liisa** 2011

**Organic and carbon aerogels containing rare-earth metals : their properties and application as catalysts**  
**Kreek, Kristiina; Kriis, Kadri; Maaten, Birgit; Uibu, Mai; Mere, Arvo; Kanger, Tõnis; Koel, Mihkel** Journal of non-crystalline solids 2014 / p. 43-48 : ill

**Organic and carbon aerogels doped with lanthanides as catalyst for Michael reaction**  
**Kreek, Kristiina** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

**Organocatalytic asymmetric addition to unsaturated 1,4-dicarbonyl compounds = Organokatalüütiline asümmeetriline liitumine küllastumata 1,4-dikarbonüülühenditele**  
**Žari, Sergei** 2015

**Organocatalytic conjugate addition of cyclopropylacetaldehyde derivatives to nitro olefins : en route to  $\beta$ - and  $\gamma$ -amino acids**  
**Kaasik, Mikk; Noole, Artur; Reitel, Kärt; Järving, Ivar; Kanger, Tõnis** European journal of organic chemistry 2015 / p. 1745-1753 : ill

**Paneelmajade tulevik - kas tume, helge või hall? Kas rahaliselt jõukohased kodud on elamiseks ohtlikud või mitte?**  
**Aasmäe, Hardo; Kurnitski, Jarek** Inseneeria 2014 / lk. 18-22 : ill [https://artiklid.elnet.ee/record=b2678050\\*est](https://artiklid.elnet.ee/record=b2678050*est)

**Patsient roolis**  
**Strandberg, Marek** Inseneeria 2015 / lk. 8 : fot

**Personality predispositions moderate soldiers' well-being before and after operational deployment**  
**Parmak, Merle; Mylle, Jacques J. C.; Euwema, Martin C.** Military psychology in a time of transition, uncertainty, and complexity : the 55th IMTA Conference 2013 : Seoul, Korea, October 28th-November 1st : [conference program and abstracts] 2013 / p. 71

**Phase transformations in hydrothermal sintering processing of phosphate rock**  
**Pöldme, Meeme** 1994 [http://www.ester.ee/record=b2089994\\*est](http://www.ester.ee/record=b2089994*est)

**Phase transformations in hydrothermal sintering processing of phosphate rock**  
**Pöldme, Meeme** 1995 [http://www.ester.ee/record=b1067223\\*est](http://www.ester.ee/record=b1067223*est)

**Photocatalytic antibacterial activity of nano-TiO<sub>2</sub> (anatase)-based thin films : effects on Escherichia coli cells and fatty acids**  
**Joost, Urmas; Juganson, Katre; Visnapuu, Meeri; Mortimer, Monika; Kahru, Anne; Nõmmiste, Ergo; Joost, Urmeli; Kisand, Vambola; Ivask, Angela** Journal of photochemistry and photobiology B : biology 2015 / p. 178-185 : ill  
<http://dx.doi.org/10.1016/j.jphotobiol.2014.12.010>

**Photocatalytic oxidation of phenolic compounds in wastewater from oil shale treatment**  
**Preis, Sergei; Terentjeva, Jelena; Rožkov, Aleksei** Water science and technology 1997 / 4, p. 165-174

**Photosensitized inactivation of tumor cells by porphyrins and chlorins**  
**Tšekulajeva, Ludmilla** 2006 <https://digi.lib.ttu.ee/i/?96> [https://www.ester.ee/record=b2146047\\*est](https://www.ester.ee/record=b2146047*est)

**Plastivaba juuli : kas moehullus või mõttekoht?**  
**Strandberg, Marek; Stepanov, Maarit** Õhtuleht 2016 / lk. 5

**Pleegitatud teadus**  
**Strandberg, Marek** Õhtuleht 2015 / lk. 11

**Point-of-care analyser based on capillary electrophoresis = Kapillaarelektroforeesil põhinev kaasaskantav analüsaator**  
**Seiman, Andrus** 2011 [https://www.ester.ee/record=b2692545\\*est](https://www.ester.ee/record=b2692545*est)

**Polüeenhapete gamma- ja delta-kaksiksidemete selektiivne taandamine = Selective reduction of gamma- and delta-double bonds in polyunsaturated fatty acids**  
**Järving, Ivar; Valmsen, Karin; Lille, Ülo; Lopp, Margus; Pehk, Tõnis; Samel, Nigulas** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 61-62  
[https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Polüpürrooli elektrokeemiline süntees vesilahustes = A study of the electrochemical synthesis of polypyrrole from aqueous solution on stainless steel electrode**  
**Reut, Jekaterina; Idla, Katrin** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days

: abstracts of scientific conference 1996 / lk. 167-168 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Polyphenolic composition and antichlamydial effect of commercial peppermint (*Mentha x piperita* L.) teas**

Kapp, Karmen; Hakala, Elina; Püssa, Tõnu; **Orav, Anne**; Raal, Ain; Hanski, L. *Planta medica* 2013 / p. 1224

**[Preface]**

**Koel, Mihkel** EUCHEM2014 : Molten Salts and Ionic Liquids XXV : 6-11 July 2014, Tallinn, Estonia : programme 2014 / p. 1

[https://www.ester.ee/record=b4777207\\*est](https://www.ester.ee/record=b4777207*est)

**Preparation of cellulose mix-esters and cellulose esters/MWCNT composites in ionic liquids**

**Tarasova, Elvira; Kudrjašova, Marina; Krumme, Andres** EUPOC-2013 : Polymers and Ionic Liquids, 1-5 September 2013, Gargnano, Italy 2013

**Preparation of cellulose stearate and cellulose acetate stearate in 1-butyl-3-methylimidazolium chloride**

**Tarasova, Elvira; Šumigin, Dmitri; Kudrjašova, Marina; Krumme, Andres** Baltic Polymer Symposium 2013 / p. 105-110

**Preparation of metal-doped carbon aerogels from oil shale processing by-products**

**Kreek, Kristiina; Kulp, Maria; Uibu, Mai; Mere, Arvo; Koel, Mihkel** Oil shale 2014 / p. 185-194 : ill

[https://artiklid.elnet.ee/record=b2673721\\*est](https://artiklid.elnet.ee/record=b2673721*est)

**President - võimuta iluamet**

**Strandberg, Marek** Eesti Ekspress 2016 / lk. 52

**Principal component analysis of HPLC-MS/MS patterns of wheat (*Triticum aestivum*) varieties**

**Levandi, Tuuli; Püssa, Tõnu; Vaher, Merike; Ingver, Anne; Koppel, Reine; Kaljurand, Mihkel** Proceedings of the Estonian

Academy of Sciences 2014 / p. 86-92 : ill [https://artiklid.elnet.ee/record=b2665228\\*est](https://artiklid.elnet.ee/record=b2665228*est)

**Prostaglandin synthesis in marine arthropods and red algae = Prostaglandiinide süntees mere lüljalgsetes ja punavetikates**

**Hansen, Kristella** 2015

**Proteiinirikaste loomsete kõrvalsaaduste kooskääritamine veiselägaga : ressurss, biogaasi toodangu tõus ja kääritusjäägi omadused**

**Pitk, Peep** TEUK XV : taastuvate energiaallikate uurimine ja kasutamine : viieteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : fifteenth conference proceedings, Tartu, Estonia, 2013 2013 / lk. 33-43 : ill

**Protein- and lipid-rich solid slaughterhouse waste anaerobic co-digestion : resource analysis and process optimization = Proteiini- ja lipiidirikaste tahkete tapamajajäätmete anaeroobne kooskääritamine : ressursi analüüs ja protsessi optimeerimine**

**Pitk, Peep** 2014 [https://www.ester.ee/record=b3724112\\*est](https://www.ester.ee/record=b3724112*est)

**Protein turnover forms one of the highest maintenance costs in *Lactococcus lactis***

**Lahtvee, Petri-Jaan; Seiman, Andrus; Arike, Liisa; Adamberg, Kaarel; Vilu, Raivo** Microbiology 2014 / p.1501-1512 : ill

**Proteome reallocation in *Escherichia coli* with increasing specific growth rate**

**Peebo, Karl; Valgepea, Kaspar; Maser, Andres; Nahku, Ranno; Adamberg, Kaarel; Vilu, Raivo** Molecular biosystems 2015 / p.

1184-1193 : ill <http://dx.doi.org/10.1039/c4mb00721b>

**Prügivabam infotehnika tulekul**

**Strandberg, Marek** Inseneeria 2015 / lk. 10 : fot

**Puine vool**

**Strandberg, Marek** Inseneeria 2015 / lk. 10 : fot

**Puised hiiud Vene jõgedelt**

**Strandberg, Marek** Inseneeria 2016 / lk. 8 : ill

**Puutuhk - muundumine tolmjast kõrvalproduktist funktsionaalseks (mahe-) väetistooteks**

**Pitk, Peep; Raave, Henn** Maheviljaturg. 2016 2016 / lk. 16-21 : ill

**Puutuhk - muundumine tolmjast kõrvalproduktist funktsionaalseks (mahe-) väetistooteks**

**Pitk, Peep; Raave, Henn** Teraviljafoorum. 2016 2016 / lk. 27-32 : ill

**Puutuhk pole tülikas jääde, vaid toitainerikas väetis põllule ja metsale**

**Pitk, Peep; Ots, Katri** Eesti Mets 2016 / lk. 42-45 : ill

### **Põhja-Euroopa fluorhüdroksüapatiidid = Fluorhydroxyapatites of Northern Europe**

**Veiderma, Mihkel**; Knubovets, Rēna; **Tõnsuaadu, Kaia** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 223-224 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

### **Põlevkivi fenoolid toorainena poorsete aerogeelide valmistamiseks = Oil shale phenols as raw materials for porous aerogel preparation**

**Koel, Mihkel** Põlevkivi tulevik - innovatsioon : põlevkivikonverents 2013 2013 / lk. 23-24

### **Põlevkivi kaevandamine 100 : kas järgmist juubelit üldse tuleb?**

Inseneeria 2016 / lk. [12]-18 : ill

### **Põlevkivikirik ja selle preestrid**

**Strandberg, Marek** Eesti Ekspress 2015 / lk. 32

### **Põlevkivituhkade reaktsioonivõime vääveldioksiidiga = Reactivity of oil shale ashes towards sulphur dioxide**

**Triikkel, Andres**; **Kaljuvee, Tiit**; **Kuusik, Rein**, **keemik** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 209-210 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

### **Päikese käes katus jahedaks**

**Strandberg, Marek** Inseneeria 2015 / lk. 11 : ill

### **QSAR prediction of HIV-1 non-nucleoside inhibitor activity based on 3D-molecular descriptors**

**Pillai, Girinath Gopinathan**; **Tämm, Kaido**; **Karelson, Mati** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

### **Quantitative omics-level analysis of growth rate dependent energy metabolism in Lactococcus lactis = Kvantitatiivsetel oomika-meetoditel põhinev kasvuerikiirusest sõltuv Lactococcus lactis'e energiametabolismi analüüs**

**Lahtvee, Petri-Jaan** 2012 [https://www.ester.ee/record=b2931362\\*est](https://www.ester.ee/record=b2931362*est)

### **Quantitative structure-activity relationships of environmentally relevant properties**

**Kahn, Iiris** 2007

### **Quantum-chemical modeling of solvated first row transition metal ions = Solvateeritud üleminekumetalli-ioonide kvantkeemiline modelleerimine**

**Uudsemaa, Merle** 2006 [https://www.ester.ee/record=b2146117\\*est](https://www.ester.ee/record=b2146117*est)

### **Rapid capillary electrophoresis method with led-induced native fluorescence detection for the analysis of amphetamine and cocaine derivatives in oral fluid**

**Tretjakova, Anastassia**; **Mazina-Šinkar, Jekaterina**; **Vaher, Merike**; **Kaljurand, Mihkel**; **Kulp, Maria** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 68 [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

### **Rapid capillary electrophoresis method with led-induced native fluorescence detection for the analysis of amphetamine and cocaine derivatives in oral fluid**

**Tretjakova, Anastassia**; **Mazina, Jekaterina**; **Vaher, Merike**; **Kulp, Maria** 40th International Symposium on Capillary Chromatography and 13th GC×GC Symposium : May 29 - June 03, 2016, Riva del Garda Fierecongressi, Riva del Garda, Italy : abstract book 2016

### **Rapid capillary electrophoresis method with LED-induced native fluorescence detection for the analysis of cannabinoids in oral fluid**

**Mazina, Jekaterina**; **Špiljova, Anastassija**; **Vaher, Merike**; **Kaljurand, Mihkel**; **Kulp, Maria** Analytical methods 2015 / p. 7741-7747 : ill <http://dx.doi.org/10.1039/c5ay01595b>

### **Rapid start- up of autotrophic nitrogen removal process after inoculation with microorganisms from yeast factory anaerobic tank**

**Zekker, Ivar**; **Kroon, Kristel**; **Pitk, Peep**; **Loorits, Liis** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p. : ill

### **Rapsiõli uurimine, tema säilitamine ja puhastamine : magistritöö : eriala: 05.18.15 - toidukaupade tundmine**

**Sirendi, Meelis** 1991 [https://www.ester.ee/record=b2631585\\*est](https://www.ester.ee/record=b2631585*est)

### **Rasvhapete ja lipiidide ainevahetus : 12. osa**

Biokeemia : lühikursus : õpik kõrgkoolidele 2016 / lk. 429-483 : ill

**Rasvhappe dioksügenaasid alamatest organismidest : [ettekanne 14. okt. 2011 Eesti TA korraldatud akadeemik Paul Kogermani 120. sünniaastapäevale ja akadeemik Ülo Lille 80. sünnipäevale pühendatud seminaril "Orgaaniline-bioorgaaniline süntees"]**

**Samel, Nigulas** Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 237-240 : ill

**Rational design of a series of novel amphipathic cell-penetrating peptides**

Regberg, Jakob; Srimanee, Artita; **Dobchev, Dimitar A.; Karelson, Mati** International journal of pharmaceutics 2014 / p. 111-116 : ill

**Reduced state of iridium PCP pincer complexes in electrochemical CO<sub>2</sub> hydrogenation**

**Osadchuk, Irina; Tamm, Toomas;** Ahlquist, Marten S. G. ACS catalysis 2016 / p. 3834-3839 : ill

<http://dx.doi.org/10.1021/acscatal.6b01233>

**Refined coagulant for water purification from Estonian glauconite. 1, Digesting glauconite with sulphuric acid in slurries**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Aasamäe, Ernst** Proceedings of the Estonian Academy of Sciences. Chemistry 1996 / 1/2, p. 42-55

**Refined coagulant for water purification from Estonian glauconite. 2, Characteristics of the products and solid wastes**

**Kuusik, Rein, keemik; Viisimaa, Ludmilla; Aasamäe, Ernst** Proceedings of the Estonian Academy of Sciences. Chemistry 1996 / 1/2, p. 56-69

**Remote activation of isatin for efficient asymmetric aza-Michael reactions**

**Žari, Sergei; Kudrjašova, Marina; Ilmarinen, Kaja;** Pehk, Tõnis; **Kanger, Tõnis** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Remote activation of the nucleophilicity of isatin**

**Žari, Sergei; Kudrjašova, Marina; Pehk, Tõnis; Lopp, Margus; Kanger, Tõnis** Organic letters 2014 / p. 1740-1743 : ill

**Reproducibility of QSAR/QSPR models in the scientific literature - perspective for regulatory use**

**Kahn, Iiris;** Piir, Geven; Oja, Mare Scientific programme & book of abstracts : QSAR 2014 2014 / p. 109

**Riigisektorit ootab giljotiin**

**Strandberg, Marek** Postimees 2015 / lk. 16

**Robotid meie hulgas**

**Strandberg, Marek** Inseneeria 2015 / lk. 4

**Robotid põllule**

**Strandberg, Marek** Inseneeria 2016 / lk. 8 : fot

**Rohkem fosforit! Kas on ikka nii?**

**Strandberg, Marek** Postimees 2016 / lk. 16

**Room temperature ionic liquids as background electrolyte additives in capillary electrophoretic separations**

**Vaher, Merike** 2002 [https://www.ester.ee/record=b1715414\\*est](https://www.ester.ee/record=b1715414*est)

**Rotiketrjad**

**Strandberg, Marek** Inseneeria 2015 / lk. 8 : fot

**Saccharification of lignocellulosic biomasses via ionic liquid pretreatment**

**Aid, Tiina;** Hyvärinen, S.; **Vaher, Merike; Koel, Mihkel;** Mikkola, J.-P. Industrial crops and products 2016 / p. 336-341 : ill

<http://dx.doi.org/10.1016/j.indcrop.2016.08.017>

**Sampling and quantitative analysis in capillary electrophoresis**

**Kuban, Petr;** Seiman, Andrus; **Kaljurand, Mihkel** Capillary electrophoresis and microchip capillary electrophoresis : principles, applications, and limitations 2013 / p. 41-64

**Seadusteta õiguse asjatundja : [intervjuu akadeemik Lauri Mälksooga]**

Mälksoo, Lauri; **Strandberg, Marek** Sirp 2014 / lk. 18-20 : fot <https://sirp.ee/s1-artiklid/c9-sotsiaalia/2014-01-30-12-48-17/>

**Seebimullidest nappudega arvelaud**

**Strandberg, Marek** Inseneeria 2016 / lk. [6-7] : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)

**Seemnerakkude ralli**

**Strandberg, Marek** Inseneeria 2016 / lk. 8 : ill

### **Sensitivity of platelets to PAF in patients with coronary artery disease**

Kobzar, Gennadi; **Mardla, Vilja**; Rätsep, Indrek Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 242-243

### **Separation and analysis of new cyclohexylhemicurbituril homologues**

**Fomitšenko, Maria**; **Shmatova, Elena**; **Öeren, Mario**; **Järving, Ivar**; **Aav, Riina** 20th International Symposium on Separation Sciences : ISSS 2014 : August 30 - September 2, 2014 2014 / p. 110

### **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, Urel; **Kaljurand, Mihkel** Electrophoresis 2013 / p. 1820-1827 : ill

### **Silikaatsete ehitusmaterjalide korrosioon looduskeskkonnas = Corrosion of silicate building materials in environment**

**Pöldme, Meeme**; **Varandi, Merje**; **Pöldme, Juta** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 157-158 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

### **Simple access to $\beta$ -trifluoromethyl-substituted ketones via copper-catalyzed ring-opening trifluoromethylation of substituted cyclopropanols**

Kananovich, Dmity; Konik, Yulia A.; Zubryski, Dmity M.; **Järving, Ivar**; **Lopp, Margus** Chemical communications 2015 / p. 8349-8352 : ill

### **Simultaneous determination of the degradation products of sulfur and nitrogen mustards in aqueous samples by a portable CE system with contactless conductivity detection**

**Jõul, Piia**; **Kuhtinskaja, Maria**; **Kaljurand, Mihkel** 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 63 [http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts\\_Book\\_EcoBalt\\_2016.pdf](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

### **Single-cell model of prokaryotic cell cycle**

**Abner, Kristo**; **Aaviksaar, Tõnis**; **Adamberg, Kaarel**; **Vilu, Raivo** Journal of theoretical biology 2014 / p. 78-87 : ill

### **Size-induced chiral discrimination switching by (S)-(-)-2(a-hydroxyethyl)benzimidazole-derived azacrowns**

Pandey, Anita D.; **Hasan, Mohammed**; Pissurlenkar, Raghuvir R.S.; Karnik, Anil V. ChemPlusChem 2015 / p. 475-479 : ill  
<http://dx.doi.org/10.1002/cplu.201402141>

### **SKTd jahtides ühiskond paremaks ei muutu**

**Strandberg, Marek** Eesti Ekspress 2014 / lk. 38 <https://dea.digar.ee/cgi-bin/dea?a=d&d=eestiekspress20140514.2.34.1&e=-----et-25--1--txt-txln%7ctxTI%7ctxAU%7ctxTA----->

### **SO<sub>2</sub> binding during CO-combustion of fossil fuels**

**Kaljuvee, Tiit**; **Kuusik, Rein**, **keemik**; **Trikkel, Andres** Third International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, September 10-13, 1996, Warsaw, Poland : symposium program 1996 / p. 105

### **SO<sub>2</sub> binding during CO-combustion of fossil fuels**

**Kaljuvee, Tiit**; **Kuusik, Rein**, **keemik**; **Trikkel, Andres** Third International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, September 10-13, 1996, Warsaw, Poland : proceedings 1996 / p. 864-866

### **Some features of bioorganic research in Estonia**

**Lille, Ülo** Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 170  
[https://www.ester.ee/record=b1052731\\*est](https://www.ester.ee/record=b1052731*est)

### **Sonogashira cross-coupling of 3-bromo-1,2-diones : an access to 3-alkynyl-1,2-diones**

**Paju, Anne**; **Kanger, Tõnis**; **Müürisepp, Aleksander-Mati**; **Aid, Tiina**; **Pehk, Tõnis**; **Lopp, Margus** Tetrahedron 2014 / p. 5843-5848 : ill

### **Spectroscopic and phase-stabilisation properties of pure and rare-earth ions activated ZrO<sub>2</sub> and HfO<sub>2</sub>**

**Lange, Sven** 2010 [https://www.ester.ee/record=b2592707\\*est](https://www.ester.ee/record=b2592707*est)

### **Start-up of low-temperature anammox in UASB from mesophilic yeast factory anaerobic tank inoculum**

**Zekker, Ivar**; **Rikmann, Ergo**; **Seiman, Andrus**; **Loorits, Liis** Environmental technology 2015 / p. 214-225 : ill

### **Stereokeemia : õpik kõrgkoolidele**

**Lopp, Margus** 2014 [https://www.ester.ee/record=b3090445\\*est](https://www.ester.ee/record=b3090445*est)

### **Stereoselective chemoenzymatic synthesis of deoxy sugar esters involving Candida antarctica lipase B = Desoksüsuhkru estrite stereoselektiivne kemoensümaatilise süntees kasutades Candida antarctica lipaasi B**

**Villo, Ly** 2008 [https://www.ester.ee/record=b2393878\\*est](https://www.ester.ee/record=b2393878*est)

**Stereoselective synthesis of 1-methyl-1,2-and 1,3-cyclopentanediois via  $\gamma$ -lactones**

Niidu, Allan; Paju, Anne; Mürisepp, Aleksander-Mati; Järving, Ivar; Kailas, Tiit; Pehk, Tõnis; Lopp, Margus Chemistry of heterocyclic compounds 2013 / p. 1751-1760 : ill

**Sterically congested chiral 7,8-dioxo[6]helicene and its dihydro analogues : synthesis, regioselective functionalization, and unexpected domino Prins reaction**

Hasan, Mohammed; Pandey, Anita D.; Khose, Vaibhav N.; Mirgane, Nitin A.; Karnik, Anil V. European journal of organic chemistry 2015 / p. 3702-3712 : ill <http://dx.doi.org/10.1002/efoc.201500327>

**Structural and catalytic insights into the algal prostaglandin H synthase reveal atypical features of the first non-animal cyclooxygenase**

Varvas, Külli; Kasvandik, Sergio; Hansen, Kristella; Järving, Ivar; Morell, Indrek; Samel, Nigulas Biochimica et biophysica acta : molecular and cell biology of lipids 2013 / p. 863-871 : ill

**Structural and functional analysis of APOA5 mutations identified in patients with severe hypertriglyceridemia**

Mendoza-Barbera, Elena; Lökene, Aivar Journal of lipid research 2013 / p. 649-661

**Structural and functional studies of lipoxygenase-hydroperoxide lyase fusion protein in the soft coral *Capnella imbricata***

Teder, Tarvi; Löhela, Helike; Samel, Nigulas 57th ICBL : 4-8 September 2016, Chamonix, Mont Blanc, France 2016 / p. 134

**Structure-reactivity relationships for organosilicon compounds revisited**

Ploom, Anu; Tuulmets, Ants ISOS XVII Berlin 2014 : the 17th International Symposium on Silicon Chemistry jointly with the 7th European Silicon Days : Berlin, August 3-8, 2014 2014

**A study of milk coagulability = Piima kalgendatavuse uurimine**

Kriščiunaite, Tiina 2013 [http://www.ester.ee/record=b2944008\\*est](http://www.ester.ee/record=b2944008*est)

**Subchronic oral and inhalation toxicities : a challenging attempt for modeling and prediction**

Dobchev, Dimitar A.; Tulp, Indrek; Karelson, Gunnar; Tamm, Tarmo; Tamm, Kaido; Karelson, Mati Molecular informatics 2013 / p. 793-801 : ill

**Substituted apatites as sorbents for heavy metals**

Peld, Merike 2005 [https://www.ester.ee/record=b1994280\\*est](https://www.ester.ee/record=b1994280*est)

**Sugar and sugar derivatives in ionic liquid media obtained from lignocellulosic biomass**

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel UBIOCHEM IV : 4th International Workshop of COST Action CM0903 : 14-16 October, 2013, Valencia, Spain : book of abstracts 2013 / p. 42

**Sugars and sugar derivatives in ionic liquids media obtained from lignocellulosic biomass : comparizon of capillary electrophoresis and chromatographic analysis**

Hyvärinen, S.; Mikkola, J.-P.; Murzin, D. Yu.; Vaher, Merike; Kaljurand, Mihkel; Koel, Mihkel Catalysis today 2014 / p. 18-24 : ill

**Supramolecular control in hemicucurbiturils**

Aav, Riina; Kaabel, Sandra; Prigorchenko, Elena; Fomitšenko, Maria; Öeren, Mario; Trunin, Madli; Adamson, Jasper; Rissanen, Kari 11th International Symposium on Macrocyclic and Supramolecular Chemistry : ISMSC-2016 : Seoul, Korea, 10-14 July 2016 2016 / p. PB037

**Surma hääl - 2058 herts**

Strandberg, Marek; Idla, Katrin Postimees 2016 / lk. 16

**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](http://www.ester.ee/record=b2713869*est)

**Sõnajaõiega haigusetekitajaid püüdm**

Strandberg, Marek Inseneeria 2015 / lk. 6

**Süstiv žgutt ja side**

Strandberg, Marek Inseneeria 2016 / lk. [6]

**Synthesis and quantitative analysis of diastereomeric linked ester conjugates with remote stereocenters using high field NMR and chiral HPLC**

Doyle, Eva; Parve, Jaan; Kudrjašova, Marina; Tamp, Sven; Mürisepp, Aleksander-Mati; Villo, Ly; Vares, Lauri; Pehk, Tõnis; Parve, Omar Chirality 2013 / p. 793-798 : ill

**Synthesis of 4'-substituted 2', 3'-dideoxynucleoside analogues = 4'-asendatud 2', 3'-dideoksünukleosiidi analoogide süntees**

Jõgi, Artur 2008 [https://www.ester.ee/record=b2402245\\*est](https://www.ester.ee/record=b2402245*est)

**Synthesis of 9,11-secosterols intermediates**

Aav, Riina 2005 [http://www.ester.ee/record=b2041634\\*est](http://www.ester.ee/record=b2041634*est)

**Synthesis of a series of amino acid derived ionic liquids and tertiary amines : green chemistry metrics including microbial toxicity and preliminary biodegradation data analysis**

Jordan, Andrew; Haiss, Annette; Spulak, Marcel; Karpichev, Yevgen; Kümmerer, Klaus; Gathergood, Nicholas Green chemistry 2016 / p. 4374-4392 : ill <http://dx.doi.org/10.1039/C6GC00415F>

**Synthesis of cyclic 3-aryl-substituted 1,2-dicarbonyl compounds via Suzuki cross-coupling reaction**

Lopušanskaja, Eleana; Paju, Anne; Lopp, Margus Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 107 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Synthesis of cyclopentane and tetrahydrofuran derivatives = Tsüklopentaanide ja tetrahüdrofuraanide süntees**

Niidu, Allan 2013 [https://www.ester.ee/record=b2992932\\*est](https://www.ester.ee/record=b2992932*est)

**Synthesis of heterobicyclo[3.2.0]heptane derivatives via multicomponent cascade reaction = Heterobitsüklo[3.2.0]heptaanide süntees multikomponentse kaskaadreaktsiooniga**

Ausmees, Kerti 2013 [http://www.ester.ee/record=b3034700\\*est](http://www.ester.ee/record=b3034700*est)

**Synthesis of the cyclohexylhemicucurbit[n]urils**

Shmatova, Elena; Kruusamägi, Madli; Öeren, Mario; Reile, Indrek; Aav, Riina 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014

**Synthesis of the new inverted cis-cyclohexanohemicucurbit[6]uril**

Trunin, Madli; Prigorchenko, Elena; Baškir, A.; Kaabel, Sandra; Fomitšenko, Maria; Aav, Riina Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 162 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Synthesis of triazole-based halogen-bond donors**

Kaasik, Mikk; Kriis, Kadri; Kaabel, Sandra; Kanger, Tõnis Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 81 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Synthesis, structural characterization and modification of PAMAM dendrimers**

Peterson, Janek 2002 [https://www.ester.ee/record=b1715360\\*est](https://www.ester.ee/record=b1715360*est)

**Technology and know-how for optimisation and control of microbiological processes**

Vilu, Raivo; Paalme, Toomas Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtteid 1996 / lk. 192 [https://www.ester.ee/record=b1052731\\*est](https://www.ester.ee/record=b1052731*est)

**Template-controlled synthesis of chiral cyclohexylhemicucurbit[8]uril**

Prigorchenko, Elena; Öeren, Mario; Kaabel, Sandra; Fomitšenko, Maria; Reile, Indrek; Järving, Ivar; Tamm, Toomas; Topic, Filip; Rissanen, Kari; Aav, Riina Chemical communications 2015 / p. 10921-10924 : ill <http://dx.doi.org/10.1039/c5cc04101e>

**Teoreetilise keemiast molekulaartechnoloogiani**

Karelson, Mati; Maran, Uko Teadusmõtte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 169-172 [https://www.ester.ee/record=b2230239\\*est](https://www.ester.ee/record=b2230239*est)

**Termilised muutused katioonasendustega karbonaatapatiitides : 1994. a. : TTÜ-sisese uurimistoetuse aruanne, töö nr. KKA-G415**

Peld, Merike 1994

**Termokromatogrammide analüüs peakomponentide meetodil : magistritöö**

Ivask, Kaire 1995 [https://www.ester.ee/record=b2078776\\*est](https://www.ester.ee/record=b2078776*est)

**Tetrahymena thermophila : a good model for nanoecotoxicity studies**

Juganson, Katre; Mortimer, Monika; Ivask, Angela; Käkinen, Aleksandr; Visnapuu, Meeri; Kahru, Anne Ciliates as model systems to study genome evolution, mechanisms of non-Mendelian inheritance and environmental adaptation : Tallinn, Estonia : 12-16 May, 2013 : book of abstracts 2013 / p. 60

**The complementary use of UV, EPR and SEC to study the structural changes of humic substances during wood waste**

## composting

Bikovens, O.; **Lepane, Viia; Makarõtševa, Natalja**; Dizhbite, T.; Telysheva, G. Functions of natural organic matter in changing environment 2013 / p. 113-117

## The effects of milk composition and treatment on the growth of Lactic Acid Bacteria = Piima koostise ja töötlemise mõju piimhappebakterite kasvule

**Stulova, Irina** 2013 [https://www.ester.ee/record=b3003913\\*est](https://www.ester.ee/record=b3003913*est)

## The pretreatment of lignocellulosic biomass with ionic liquids

**Aid, Tiina**; Hyvärinen, S.; **Koel, Mihkel; Vaher, Merike** UBIOCHEM IV : 4th International Workshop of COST Action CM0903 : 14-16 October, 2013, Valencia, Spain : book of abstracts 2013 / p. 43

## The study of fructan metabolism by fecal culture in isothermal microcalorimeter

**Adamberg, Kaarel; Tomson, Katrin**; Visnapuu, Triinu; **Adamberg, Signe** 2014 ENGIHR Conference : The Gut Microbiota Throughout Life : Max Rubner-Institut, Karlsruhe (Germany), 24th-26th September 2014 / [3] p. : ill

## The study of properties of aerogels derived from oil shale phenols

**Pihl, Olga; Koel, Mihkel** Abstracts book of 34th Oil Shale Symposium : October 13-17, 2014, Colorado School of Mines, Golden, Colorado 2014 / p. 55

## The synthesis and epoxidation of allylic cyclopentenols

**Oja, Karolin; Paju, Anne**; Pehk, Tõnis; **Lopp, Margus** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014

## The synthesis and epoxidation of allylic cyclopentenols

**Oja, Karolin; Paju, Anne**; Pehk, Tõnis; **Lopp, Margus** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

## Theoretical investigation of a parallel catalytic cycle in CO<sub>2</sub> hydrogenation by (PNP)IrH<sub>3</sub>

**Osadchuk, Irina; Tamm, Toomas**; Ahlquist, Marten S. G. Organometallics 2015 / p. 4932-4940 : ill  
<http://dx.doi.org/10.1021/acs.organomet.5b00448>

## A thermogravimetric method for comparing the SO<sub>2</sub>-binding abilities of different lime-containing materials

**Kuusik, Rein**, keemik; **Trikkel, Andres** Journal of thermal analysis 1995 / p. 111-121: ill

## Thermomyces lanuginosus lipase with closed lid catalyzes elimination of acetic acid from 11-acetyl-prostaglandin E<sub>2</sub>

**Villo, Ly; Metsala, Andrus; Tamp, Sven**; Parve, Jaan; Vallikivi, Imre; **Järving, Ivar**; **Nigulas, Samel**; Lille, Ülo; **Pehk, Tõnis**; **Parve, Omar** ChemCatChem 2014 / p. 1998-2010 : ill

## Thermophosphates from Kovdor and Siilinjärvi apatites

**Tõnsuaadu, Kaia** 1995 [http://www.ester.ee/record=b1067577\\*est](http://www.ester.ee/record=b1067577*est)

## 3-Alkyl-1,2-cyclopentanediones by Negishi cross-coupling of a 3-bromo-1,2-cyclopentanedione silyl enol ether with alkylzinc reagents : an approach to 2-substituted carboxylic acid γ-lactones, homocitric and lycoperdic acids

**Paju, Anne; Kostomarov, Diana; Matkevits, Katharina; Laos, Marit**; Pehk, Tõnis; **Kanger, Tõnis; Lopp, Margus** Tetrahedron 2015 / p. 9313-9320 : ill <http://dx.doi.org/10.1016/j.tet.2015.10.014>

## 3-alkylcyclopentane-1,2-diones in asymmetric oxidation and alkylation reactions = 3-alküülsüklopentaan-1,2-dioonid asümmeetrilistes oksüdeerimis- ja alküleerimisreaktsioonides

**Reile, Indrek** 2012 [http://www.ester.ee/record=b2756921\\*est](http://www.ester.ee/record=b2756921*est)

## 3-Chlorooxindoles : versatile starting materials for asymmetric organocatalytic synthesis of spirooxindoles

**Noole, Artur; Ošeka, Maksim; Pehk, Tõnis; Öeren, Mario; Järving, Ivar**; Elsegood, Mark R. J.; Malkov, Andrei; **Lopp, Margus; Kanger, Tõnis** Advanced synthesis and catalysis 2013 / p. 829-835 : ill

## Timmitud kriitika : [juhtkirj]

**Strandberg, Marek** Inseneeria 2014 / lk. 4

## Tippteaduse heaks tuleb geniaalsust ja töötahet toetada õigel ajal : [intervjuu akadeemik Martti Raidaliga]

**Strandberg, Marek**; Raidal, Martti Sirp 2013 / lk. 25 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/2013-12-12-14-09-28-2/>

## Toiduhügieenikoolituse täiendmaterjalid

**Kann, Aino; Veskus, Tiina; Tedersoo, Erge; Laasik, Marju; Vokk, Raivo** 2014 [http://www.ester.ee/record=b3084801\\*est](http://www.ester.ee/record=b3084801*est)

## Toiduhügieenikoolituse täiendmaterjalid

**Kann, Aino; Veskus, Tiina; Tedersoo, Erge; Laasik, Marju; Vokk, Raivo** 2010 [http://www.ester.ee/record=b2631503\\*est](http://www.ester.ee/record=b2631503*est)

**Toiduhügieenikoolituse täiendmaterjalid**

**Kann, Aino; Veskus, Tiina; Vokk, Raivo; Laasik, Marju** 2008 [http://www.ester.ee/record=b2364665\\*est](http://www.ester.ee/record=b2364665*est)

**Toiduhügieenikoolituse täiendmaterjalid**

**Kann, Aino; Veskus, Tiina; Vokk, Raivo; Liebert, Tiiu; Pappel, Kaie; Laasik, Marju** 2004 [https://www.ester.ee/record=b1905866\\*est](https://www.ester.ee/record=b1905866*est)

**Topological fingerprints as an aid in finding structural patterns for LRRK2 inhibition**

**Kahn, Iiris; Lomaka, Andre; Karelson, Mati** Molecular informatics 2014 / p. 269-275 : ill

**Toxicity and bio-acceptability in the context of biological processes in ionic liquid media**

**Prydderch, Hannah; Heise, Andreas; Gathergood, Nicholas** Ionic liquids in the biorefinery concept : challenges and perspectives 2016 / p. 168-201 <http://dx.doi.org/10.1039/9781782622598-00168>

**Trans-tsükloheksaanuurea VCD analüüs tahkes ja vedelas faasis : [posterettekanne]**

**Peterson, Anna; Öeren, Mario; Shmatova, Elena; Kailas, Tiiu; Aav, Riina** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013

**Triple benefit of manure and solid slaughterhouse waste rendering products co-digestion : simple concept, increased volumetric biogas production and fertilizer value**

**Pitk, Peep** ManuREsource 2013 : International conference on manure management and valorization, December 5-6 2013, Bruges, Belgium 2013

**Tsükloheksüülpoolkukurbituriilide süntees mikrolainereaktoris : [posterettekanne]**

**Kruusamägi, Madli; Shmatova, Elena; Aav, Riina** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013

**TTÜ ühtsuse nimel on vaja töötada**

**Kaljurand, Mihkel** Mente et Manu 2015 / lk. 5

**Tuumadopingu küttijad**

**Strandberg, Marek** Inseneeria 2015 / lk. 6

**12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts**

2009 [http://www.ester.ee/record=b2508511\\*est](http://www.ester.ee/record=b2508511*est)

**Tähelepanuväärseid naisi TTÜ ajaloost - Erika Talts**

**Hödrejärvi, Helvi** Insenerikultuur Eestis. 2 1995 / lk. 37-47: ill [https://www.ester.ee/record=b1063622\\*est](https://www.ester.ee/record=b1063622*est)

**Tähtede sõda tüügasmetsas**

**Strandberg, Marek** Inseneeria 2015 / lk. 8

**Tüüritavate omadustega lahustid**

**Koel, Mihkel** Teadusmõte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 217-223 : ill [https://www.ester.ee/record=b2230239\\*est](https://www.ester.ee/record=b2230239*est)

**Up-regulated expression of AOS-LOXa and increased eicosanoid synthesis in response to coral wounding**

**Lõhelaid, Helike; Teder, Tarvi; Tõldsepp, Kadri; Ekins, Merrick; Samel, Nigulas** PLoS ONE 2014 / p. 1-9 : ill

**Uptake and accumulation of B-group vitamins in Saccharomyces cerevisiae in ethanol-stat fed-batch culture**

**Paalme, Toomas; Kevvai, Kaspar; Vilbaste, K.; Hälvin, Kristel; Nisamedtinov, Ildar** World journal of microbiology and biotechnology 2014 / p. 2351-2359 : ill

**Use of alkali-activated aluminosilicate material to enhance biogas production from acidic whey**

**Rugele, K.; Skripsts, E.; Mezule, L.; Pitk, Peep; Bajare, D.; Juhna, T.** Open biotechnology journal 2015 / p. 54-60 : ill <http://dx.doi.org/10.2174/1874070701509010054>

**Using thermogravimetry to determine the SO<sub>2</sub> binding ability of different calcium-based sorbents**

**Trikkel, Andres; Kuusik, Rein; Keemik; Kaljuvee, Tiit** 15th Nordic Symposium for Thermal Analysis and Calorimetry, Helsinki, Finland, Nov. 13-15, 1996 : programme, extended abstracts 1996 / P.10 [2 p.]

**Utilization of capillary electrophoresis technique to analyse sugars in ionic liquid**

**da Costa Lopes, A. M.; Aid, Tiina; Vaher, Merike; Bogel-Lukasik, R.; Koel, Mihkel** UBIOCHEM IV : 4th International Workshop of COST Action CM0903 : 14-16 October, 2013, Valencia, Spain : book of abstracts 2013 / p. 98

**Uued tsütotoksilised steroidid korallist *Gersemia fruticosa* = New cytotoxic sterols from the soft coral *Gersemia fruticosa***  
**Koljak, Reet**; Lopp, Annika; **Pehk, Tõnis**; **Varvas, Külliki**; **Järving, Ivar**; Samel, Nigulas XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 81-82  
[https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

**Uued viisid bituumensideainete kvaliteediomaduste määramiseks ja võimalused nende rakendamiseks, pidades silmas konkreetsele objektile vastavaid kriteeriume sideaine eeldatavast elueast ja kasutuskohast lähtuvalt : teadus- ja arendustöö lõpparuanne [Võrguteavik]**

**Aavik, Andrus**; **Kulp, Maria**; **Sillamäe, Sven**; **Lill, Kristjan**; Hesp, Simon A. M.; Teymourpour, Ponya; Bahia, Hussain 2015  
[https://www.mnt.ee/sites/default/files/survey/bituumeniuring\\_2015.pdf](https://www.mnt.ee/sites/default/files/survey/bituumeniuring_2015.pdf)

**Uureapõhised molekulaarsed mahutid**

**Aav, Riina** Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 243-247 : ill

**Uus kiraalse tsükloheksüülpoolkukurbituriili struktuur ja komplekseerimine**

**Shmatova, Elena**; Reile, Indrek; Kuhtinskaja, Maria; Öeren, Mario; Topic, Filip; Rissanen, Kari; **Aav, Riina** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013

**Uus kliimamood - otse Pariisist!**

**Strandberg, Marek** Õhtuleht 2015 / lk. 14

**Veel üks termotuumareaktor laiatarbekasutusse, vähemalt lootus selleks**

**Strandberg, Marek** Inseneeria 2016 / lk. [8] : fot

**Veel üks tipp - heeliumi oma**

**Strandberg, Marek** Inseneeria 2016 / lk. 10 : fot

**Vesi mootoris, sedapuhku bemmi omas**

**Strandberg, Marek** Inseneeria 2015 / lk. 7 : fot

**When can ionic liquids be considered readily biodegradable? Biodegradation pathways of pyridinium, pyrrolidinium and ammonium-based ionic liquids**

Deng, Y.; Beadham, I.; Ghavre, Mukund; Costa Gomes, M. F.; **Gathergood, Nicholas** Green chemistry 2015 / p. 1479-1491 : ill  
<http://dx.doi.org/10.1039/C4GC01904K>

**Vilepuhujate toetuseks**

**Strandberg, Marek** Postimees 2015 / AK=Arvamus.Kultuur, lk. 5

**Vool valgusest pimeduses**

**Strandberg, Marek** Inseneeria 2016 / lk. [6] : fot [http://www.ester.ee/record=b2336521\\*est](http://www.ester.ee/record=b2336521*est)

**Võimalikku ohtu näitavad märgid on jälgitavad**

**Idla, Katrin** Eesti Päevaleht 2014 / lk. 6 <https://epl.delfi.ee/artikkel/70038555/voimalikku-ohtu-naitavad-margid-on-jalgitavad>

**Õiged toonid hävitavad vaenlase**

**Strandberg, Marek** Inseneeria 2015 / lk. 9 : fot

**Üld- ja anorgaanilise keemia praktikum**

**Hödrejärvi, Helvi**; Truus, Kalle 2002 [http://www.ester.ee/record=b1682567\\*est](http://www.ester.ee/record=b1682567*est)

**XVI Eesti keemiapäevade teaduskonverents = 16th Estonian Chemistry Days scientific conference**

**Rajalo, Guido**; **Lille, Ülo** Proceedings of the Estonian Academy of Sciences. Chemistry 1995 / 2-3, lk. 97-100

**XXII maailma energeetikakongress Daegus**

**Preegel, Gert** Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 312-313

**Исследование активированной деградации органических красителей и СПАВ в составе сточных вод предприятий текстильной промышленности : автореферат ... кандидата технических наук (05.483)**

Spivakova, Olga 1972 [http://www.ester.ee/record=b1660340\\*est](http://www.ester.ee/record=b1660340*est)

**Получение метаболитов тромбксана A2 и природных E-простагландинов : автореферат ... кандидата химических наук (02.00.03)**

**Järving, Ivar** 1991 [https://www.ester.ee/record=b1205942\\*est](https://www.ester.ee/record=b1205942*est)