

**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 <https://pubs.rsc.org/en/content/articlelanding/2014/ob/c4ob00597j>

**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 <https://pubs.rsc.org/en/content/articlelanding/2014/ob/c4ob00597j>

**Alleenoksiidi süntaas-lipoksügenaas liitvalgu rada on üldlevinud korallides**  
**Lõhelaid, Helike; Järving, Reet; Järving, Ivar; Samel, Nigulas** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 84-85

**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)

**Asendatud (2S,2'S)-bimorfoliinide süntees**  
**Lippur, Kristin; Kriis, Kadri; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 82-83

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**Bitsüklo[3.3.0]oktanooni derivaatide süntees**  
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**Calcium hydroxyapatite, Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub> ceramics prepared by aqueous sol-gel processing**  
Bogdanoviciene, Irma; Beganskiene, Aldona; **Tõnsuaadu, Kaia**; Glaser, Jochen; Meyer, H.-Jürgen; Kareiva, Aivaras Materials research bulletin 2006 / p. 1754-1762 <https://www.sciencedirect.com/science/article/pii/S0025540806000778>

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**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; Ören, Mario** 10th International Symposium on Macrocyclic and Supramolecular Chemistry : Strasbourg, France, June 28th - July 2nd 2015 2015 / p. PA-1

**ChemEASTry Europe, the status of the chemical sciences in a growing region**  
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**ChemEASTry Europe, the status of the chemical sciences in a growing region**  
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**A chemoenzymatic approach to the preparation of optically active alpha-bromo-omega-hydroxy aldehyde hemiacetals**  
Parve, Omar; **Vallikivi, Imre**; Lahe, Lilja; Sikk, Peeter; Käambre, Tuuli; **Lille, Ülo** Proceedings of the Estonian Academy of Sciences. Chemistry 1997 / 4, p. 186-190

**A chemoenzymatic stereoselective synthesis of deoxy sugar esters of amino acids**  
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**Chemoenzymatic synthesis and evaluation of 3-azabicyclo[3.2.0]heptane derivatives as dopaminergic ligands**  
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**A chemoenzymatic synthesis of a deoxy sugar ester of N-Boc-protected L-tyrosine**  
**Villo, Ly; Kreen, Malle; Kudrjašova, Marina; Metsala, Andrus; Tamp, Sven; Lille, Ülo; Pehk, Tõnis; Parve, Omar** Practical methods for biocatalysis and biotransformations. 2 2012 / p. 335-339 <https://www.sciencedirect.com/science/article/pii/S1381117710002511>

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Villo, Ly; Kreen, Malle; Metsala, Andrus; Tamp, Sven; Lille, Ülo; Pehk, Tõnis; Parve, Omar; Kudrjašova, Marina Journal of molecular catalysis B : enzymatic 2011 / p. 44-51 <https://www.sciencedirect.com/science/article/abs/pii/S1381117710002511>

## **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**

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## **A comparative study of the synthesis of C2-symmetric chiral 2,2'-biaziridinyls of 3-alkyl-1,2-cyclopentanediones**

Kanger, Tõnis; Ausmees, Kerti; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Synlett 2003 / p. 1055-1057 <https://doi.org/10.1055/s-2003-39303>

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Kanger, Tõnis; Ausmees, Kerti; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A44

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

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

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

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Tamashiro, Jacqueline Roberta; de la Rubia, Miguel Angel; Rubio-Marcos, Fernando; Rojas-Hernandez, Rocio Estefania; Silva, Lucas Henrique Pereira; de Paiva, Fabio Friol Guedes; Kinoshita, Angela; Terrades, Amparo Moragues Journal of building engineering 2023 / art. 107748 <https://doi.org/10.1016/j.jobe.2023.107748> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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)

## **Electrosynthesized conducting polymers, polypyrrole and poly(3,4-ethylenedioxythiophene), for molecular imprinting = Molekulaarselt jäljendatud süsteemid elektrokeemiliselt sünteesitud elektrit juhtivate polümeeride - polüüpürrooli ja polü(3,4-etiüleendioksütiofeeni baasil**

Menaker, Anna 2009 [https://www.ester.ee/record=b2491805\\*est](https://www.ester.ee/record=b2491805*est)

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

Konik, Yulia A.; Zubrytski, Dzmityr M.; Gathergood, Nicholas; Kananovich, Dzmityr; 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)

## **Functionality and activity of Sol-Gel-Prepared Co and Fe co-Doped Lead-Free BTO for thermo-optical applications**

Tiitih, Mohammed; Ibrahim, Jamal Eldin F. M.; Basyooni, Mohamed A.; En-nadir, Redouane; Hussainova, Irina; Kocserha, Istvan ACS omega 2023 / p. 5003-5016 : ill <https://doi.org/10.1021/acsomega.2c07660> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Halogen-Bonding Organocatalysis - New Opportunities for Asymmetric Synthesis**

Kaasik, Mik; Kanger, Tõnis Asymmetric Organocatalysis: New Strategies, Catalysts, and Opportunities. Vol. 1 2022 / p. 203-224

**Hierarchical nanostructures of ZnO obtained by spray pyrolysis**

**Dedova, Tatjana; Krunks, Malle; Oja Acik, Ilona; Klauson, Deniss; Volobujeva, Olga; Mere, Arvo** Materials chemistry and physics 2013 / p. 69-75 : ill

**loonsele vedelikule seotud bipiperidiini derivaadi süntees ja rakendus organokatalüüsis**

**Reitel, Kärt; Kudrjašova, Marina; Kanger, Tõnis** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 86 : ill

**(2S,2'S)- ja (3S,3'S)-bimorfoliini süntees**

**Kriis, Kadri; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 60-61

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**Lopp, Margus** Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 98-100 : ill

**Kiraalsete C2-sümmeetriliste bisasiridiinide süntees**

**Kanger, Tõnis; Ausmees, Kerti; Pehk, Tõnis; Lopp, Margus** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 43-44

**3'hüdrosü-4'-asendatud-2'-deoksünukleosidi analoogide süntees**

**Jõgi, Artur; Paju, Anne;** Kailas, Tiiu; Müürisepp, Aleksander-Mati; **Lopp, Margus** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 28 : ill

**3-bensüül-2,4-dihüdrosütsüklopent-2-eeenoonide süntees ja asümmeetriline oksüdatsioon**

**Oja, Karolin; Paju, Anne;** Pehk, Tõnis; **Lopp, Margus** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 66 : ill

**Käeliste tetrahüdrofuraani analoogide süntees**

**Niidu, Allan; Paju, Anne;** Kisliitsõn, Konstantin; **Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 104-105

**Large chiral cyclohexanohemicucurbit[n]urils [Online resource]**

**Mishra, Kamini Atindrakumar; Kaabel, Sandra; Paberits, Oliver; Fomitšenko, Maria; Aav, Riina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fmdk.ut.ee/teesid/>

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

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**4'-bensüül-asendatud nukleosiidide analoogide süntees**

**Jõgi, Artur; Paju, Anne; Pehk, Tõnis;** Siirde, K.; **Lopp, Margus** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 42-43

**New chiral cyclohexylhemicucurbit[6]uril**

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

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

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### **Oxidative ring-cleavage reactions of cyclopropanols and their application for the synthesis of bioactive cyclopeptides = Tsüklopropanoolide oksüdeerivad tsükliavamisreaktsioonid ja nende rakendus bioaktiivsete tsüklopeptiidide sünteesil**

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### **p-asendatud 3-fenüül-2-hüdroksü-2-tsüklopenteen-1-ooni derivaatide süntees ja nende asümmeetriline oksüdatsioon**

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**Perez-Caballero, Fernando; Peikola, Anna-Liisa; Uibu, Mai; Kuusik, Rein, keemik; Volobujeva, Olga; Koel, Mihkel** Microporous and mesoporous materials 2008 / p. 230-236 : ill

### **[P]rostaglandiinide süntees korallis Plexaura homomalla : tsüklooksügenaaside stereospetsiifilisuse struktuurilised determinandid**

**Valmsen, Karin; Samel, Nigulas** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 179-180

### **Resortsiinide ja laktaamide hüdroksümetüülimise uurimine : dissertatsioonitöö keemiakandidaadi ... taotlemiseks**

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### **Sb2S3 thin-film solar cells fabricated from an antimony ethyl xanthate based precursor in air**

**Eensalu, Jako Siim; Mandati, Sreekanth;** Don, Christopher H.; Finch, Harry; Dhanak, Vinod R.; Major, Jonathan D.; Grzibovskis, Raitis; Tamm, Aile; Ritslaid, Peeter; **Josepson, Raavo;** Käämbre, Tanel; Vembris, Aivars; **Spalatu, Nicolae; Krunks, Malle; Oja Acik, Ilona** ACS applied materials & interfaces 2023 / p. 42622-42636 <https://doi.org/10.1021/acsami.3c08547> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### **Size-control by anion templating in mechanochemical synthesis of hemicucurbiturils in the solid state**

**Kaabel, Sandra;** Stein, Robin S.; **Fomitšenko, Maria; Järving, Ivar;** Frišic, Tomislav; **Aav, Riina** Angewandte Chemie international edition 2019 / p. 6230-6234 : ill <https://doi.org/10.1002/anie.201813431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Stereoselective chemoenzymatic synthesis of deoxy sugar esters involving Candida antarctica lipase B = Desoksüsuhkru estrite stereoselektiivne kemoensümaatiline 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-cyclopentane diols via $\gamma$ -lactones**

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

### **Sterically congested chiral 7,8-dioxa[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/ejoc.201500327>

### **Study of synthesis and redox switching of polypyrrole and poly(3,4-ethylenedioxythiophene) by using in-situ techniques**

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### **Surface-active thermally responsive hydrogels by emulsion sedimentation for smart window applications**

Timusk, Martin; Locs, Janis; Kangur, Triin; Kasikov, Aarne; **Kurnitski, Jarek;** Šutka, Andris ACS applied polymer materials 2023 / p. 5937-5950 : ill <https://doi.org/10.1021/acsapm.3c00600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sustainable synthesis and dearomatization of oxygen-containing aromatic compounds = Hapnikku sisaldavate aromaatsete ühendite jätkusuutlik süntees ja dearomatiseerimine**

**Kooli, Anni** 2022 <https://doi.org/10.23658/taltech.63/2022> <https://digikogu.taltech.ee/et/Item/2ea7f80b-5fa8-4120-8667-c7d3641bbdcd>  
[https://www.ester.ee/record=b5524475\\*est](https://www.ester.ee/record=b5524475*est)

**Synthesis and characterization of chiral triazole-based halogen bond donors [Online resource]**

**Kaasik, Mikko; Kaabel, Sandra; Kriis, Kadri; Järving, Ivar; Aav, Riina;** Rissanen, Kari; **Kanger, Tõnis** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fntdk.ut.ee/teesid/>

**Synthesis and properties of oxa[4]calixarene [Online resource]**

**Peterson, Anna; Kaabel, Sandra; Aav, Riina;** Adamson, Jasper Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fntdk.ut.ee/teesid/>

**Synthesis of 1,4-pentadiene**

**Kogerman, Paul** Journal of the American Chemical Society 1930 / p. 5060-5065 : ill [https://www.ester.ee/record=b5168607\\*est](https://www.ester.ee/record=b5168607*est)

**Synthesis of (2S)-2,3-diaminopropionic acid based urea [Online resource]**

**Mishra, Kamini Atindrakumar; Aav, Riina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fntdk.ut.ee/teesid-2018/>

**Synthesis of 3,4-dideoxy ribose esters: a novel chemoenzymatic approach to synthesis of activated, extended-chain glycoconjugates**

**Villo, Ly; Danilas, Kady; Metsala, Andrus; Pehk, Tõnis; Parve, Omar** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 164

**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 chiral triazole-based halogen bond donors**

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