

### **A novel diastereoselective multicomponent cascade reaction**

**Kriis, Kadri; Ausmees, Kerti; Pehk, Tõnis; Lopp, Margus; Kanger, Tõnis** Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 / p. 117 <https://pubs.acs.org/doi/10.1021/ol1005714>

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

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

### **Acid/base properties of some conformationally flexible organocatalysts**

**Uudsemaa, Merle; Kanger, Tõnis; Tamm, Toomas** 13th ICQC International Congress of Quantum Chemistry : June 22-27, 2009, Helsinki, Finland : abstracts and program 2009 / p. 168

### **Akadeemiline vabadus tänapäeva ülikoolis**

**Kanger, Tõnis** Õpetajate Leht 2011 / lk. 7 [https://artiklid.elnet.ee/record=b2430476\\*est](https://artiklid.elnet.ee/record=b2430476*est)

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**Kanger, Tõnis** Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 285-289

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**Kanger, Tõnis** Mente et Manu 2011 / lk. 1-2 : fot

### **Amination of quinolones**

**Lippur, Kristin; Tiirik, Tõnis; Kudrjašova, Marina; Lopp, Margus; Kanger, Tõnis** BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 125

### **Amination of quinolones with morpholine derivatives**

**Lippur, Kristin; Tiirik, Tõnis; Kudrjašova, Marina; Järving, Ivar; Lopp, Margus; Kanger, Tõnis** Tetrahedron 2012 / p. 9550-9555 : ill <https://www.sciencedirect.com/science/article/pii/S004040201201472X>

### **Amine catalyzed asymmetric epoxidation of alkenes**

**Kanger, Tõnis; Kriis, Kadri; Lopp, Margus** 14th European Symposium on Organic Chemistry (ESOC14) 2005 / p. 378

### **Aminocatalysts are more environmentally friendly than hydrogen-bonding catalysts**

**Sihtmäe, Mariliis; Silm, Estelle; Kriis, Kadri; Kahru, Anne; Kanger, Tõnis** ChemSusChem 2022 / art. e202201045, 5 p. : ill <https://doi.org/10.1002/cssc.202201045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Anchimeric assistance in the case of vicinal dimesylate : formation of enantiomeric or meso-biomorpholine**

**Kanger, Tõnis; Laars, Marju; Kriis, Kadri; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Synthesis 2006 / 11, p. 1853-1857

[https://www.researchgate.net/publication/239729268\\_Anchimeric\\_Assistance\\_in\\_the\\_Case\\_of\\_Vicinal\\_Dimesylate\\_Formation\\_of\\_Enantiomeric\\_or\\_meso-Bimorpholine](https://www.researchgate.net/publication/239729268_Anchimeric_Assistance_in_the_Case_of_Vicinal_Dimesylate_Formation_of_Enantiomeric_or_meso-Bimorpholine)

### **Application of chiral bifunctional halogen bond catalysts in glycosylation reactions**

**Miller, Annette; Hunt, Kaarel Erik; Kriis, Kadri; Kanger, Tõnis** Balticum Organicum Syntheticum (BOS 2022) : program and abstract book 2022 / p. 129 [Kogumik](#)

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**Kanger, Tõnis** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 43-45

### **Aromaatsete isotsüanaatide intramolekulaarsel tsükliatsioonis tekkinud kõrvalproduktide eraldamine ja identifitseerimine**

**Schmidt, M.; Eek, Margus; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 156-157

### **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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**Oorn, Arvo; Jervan, Gert; Kanger, Tõnis; Listra, Enn** Mente et Manu 2016 / lk. 18-23 : fot [https://artiklid.elnet.ee/record=b2797132\\*est](https://artiklid.elnet.ee/record=b2797132*est)

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

**Asymmetric addition to aromatic unsaturated 1,4-diketones catalyzed by chichona alkaloid derivatives**

Žari, Sergei; Kudrjašova, Marina; Öeren, Mario; Tamm, Toomas; Lopp, Margus; Kanger, Tõnis BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 207

**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)

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

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

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Kimm, Mariliis 2021 [https://www.ester.ee/record=b5459027\\*est](https://www.ester.ee/record=b5459027*est) <https://digikogu.taltech.ee/et/Item/0cf615b8-e406-4531-905b-b97bd1daed83> <https://doi.org/10.23658/taltech.45/2021>

**Asymmetric organocatalytic [2,3]-Wittig rearrangement of cyclohexanone derivatives**

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Kimm, Mariliis; Järving, Ivar; Ošeka, Maksim; Kanger, Tõnis European journal of organic chemistry 2021 / p. 3113-3120 : ill <https://doi.org/10.1002/ejoc.202100435> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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

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Trubitsõn, Dmitri; Žari, Sergei; Kaabel, Sandra; Kudrjašova, Marina; Kriis, Kadri; Järving, Ivar; Pehk, Tõnis; Kanger, Tõnis Synthesis 2018 / p. 314-322 : ill <https://doi.org/10.1055/s-0036-1590918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Silm, Estelle; Järving, Ivar; Kanger, Tõnis Beilstein Journal of Organic Chemistry 2022 / p. 167-173 <https://doi.org/10.3762/bjoc.18.18> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Silm, Estelle; Kaabel, Sandra; Järving, Ivar; Kanger, Tõnis Synthesis 2019 / p. 4198-4204 <https://doi.org/10.1055/s-0039-1690484> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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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

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

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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

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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>

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### Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 1, 3-hydroxylation of 3-alkyl-1,2-cyclopentanediones

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2002 / p. 2439-2448 <https://www.sciencedirect.com/science/article/pii/S095741660200589X>

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Kanger, Tõnis; Kriis, Kadri; Paju, Anne; Pehk, Tõnis; Lopp, Margus Tetrahedron : asymmetry 1998 / p. 4475-4482

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

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Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Kanger, Tõnis; Lopp, Margus Synthesis 2006 / 18, p. 3031-3036 : ill <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2006-950193>

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

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**Bimorpholine as an organocatalyst for asymmetric aldol condensation**

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[https://www.chimia.ch/chimia/article/view/2007\\_232](https://www.chimia.ch/chimia/article/view/2007_232)

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**Raudla, Kristin; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 94-95

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**Kanger, Tõnis** Tallinna Tehnikaülikooli aastaraamat 2011 2012 / lk. 233-236 : fot

**C2-symmetric biformolines : a new ligand for metal mediated hydride transfer reduction of ketones**

**Kriis, Kadri; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus** Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A50

**C2-symmetric biformolines as chiral ligands in the asymmetric hydrogenation of ketones**

**Kriis, Kadri; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2003 / p. 2271-2275  
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**Kanger, Tõnis; Kriis, Kadri**; Ausmees, Kerti; **Pehk, Tõnis; Lopp, Margus** 13th European Symposium on Organic Chemistry : September 10-15, 2003, Cavtat-Dubrovnik, Croatia : programme and abstracts 2003 / p. 342

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**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 fluor- and hydroxy-apatites modified or not as catalysts for C-C bond formation**

Gruselle, Michel; **Kanger, Tõnis**; Flambard, Alexandrine; **Kriis, Kadri; Mikli, Valdek; Maaten, Birgit; Tõnsuaadu, Kaia** International Conference Catalysis in Organic Synthesis ICCOS-2012 : September 15-20, 2012, Moscow, Russia : book of abstracts 2012 / p. 190

**Calcium hydroxyapatites as efficient catalysts for the Michael C-C bond formation**

Gruselle, Michel; **Kanger, Tõnis**; Thouvenot, Rene; Flambard, Alexandrine; **Kriis, Kadri; Mikli, Valdek; Traksmäa, Rainer; Maaten, Birgit; Tõnsuaadu, Kaia** ACS catalysis 2011 / p. 1729-1733 : ill

**Calcium, Barium and Strontium apatites : a new generation of catalysts in the Biginelli reaction**

Ben Moussa, Sana; Lachheb, Jalel; Gruselle, Michel; **Maaten, Birgit; Kriis, Kadri; Kanger, Tõnis; Tõnsuaadu, Kaia**; Badraoui, Bechir Tetrahedron 2017 / p. 6542-6548 : ill <https://doi.org/10.1016/j.tet.2017.09.051>

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**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

**Catalysts derived from sustainable natural and value added alkaloids from poppies**

**Silm, Estelle; Pata, Pille; Kruis, Jaqueline Cecilia; Sikerina, Anastassia**; Pata, Ilar; **Kanger, Tõnis; Gathergood, Nicholas** IUPAC Postgraduate Summer School on Green Chemistry : 7-13 July 2018, Venice - Italy : book of abstracts 2018 / p. 24  
[https://www.unive.it/pag/fileadmin/user\\_upload/extra/SSGC/documenti/Book\\_of\\_abstracts\\_per\\_website\\_23\\_July.pdf](https://www.unive.it/pag/fileadmin/user_upload/extra/SSGC/documenti/Book_of_abstracts_per_website_23_July.pdf)

**Catalysts derived from sustainable natural and value added alkaloids from poppies [Online resource]**

**Silm, Estelle; Pata, Pille; Kruis, Jaqueline Cecilia; Sikerina, Anastassia**; Pata, Ilar; **Kanger, Tõnis; Gathergood, Nicholas** 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://fmdtk.ut.ee/teesid-2018/>

**Catalysts derived from sustainable natural and value added alkaloids from poppies [Online resource]**

**Silm, Estelle; Kanger, Tõnis; Gathergood, Nicholas** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fmdtk.ut.ee/teesid/>

**Chemoenzymatic synthesis and evaluation of 3-azabicyclo[3.2.0]heptane derivatives as dopaminergic ligands**

Reinart-Okugbeni, Reet; **Ausmees, Kerti; Kriis, Kadri; Werner, Franz**; Rincken, Ago; **Kanger, Tõnis** European journal of medicinal chemistry 2012 / p. 255-261 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0223523412004515>

**A comparative study of asymmetric Baeyer-Villiger oxidation of cyclic ketones**

**Kanger, Tõnis; Kriis, Kadri; Paju, Anne; Kallas, Kaja; Pehk, Tõnis; Lopp, Margus** 10th IUPAC Symposium on Organo-Metallic Chemistry directed towards Organic Synthesis : 18-22 July, 1999, Versailles (France) : final program 1999 / p. P232

**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  
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**A comparative study of the synthesis of C2-symmetric chiral 2,2'-bisaziridinyls**  
**Kanger, Tõnis**; Ausmees, Kerti; **Müürisepp, Aleksander-Mati**; **Pehk, Tõnis**; **Lopp, Margus** Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A44

**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

**Cyclic amino acid salts as catalysts for the asymmetric Michael reaction**  
**Laars, Marju**; **Raska, Henri**; **Lopp, Margus**; **Kanger, Tõnis** Tetrahedron : asymmetry 2010 / p. 562-565

**Cyclopentane-1,2-dione bis(tert-butylidimethylsilyl) enol ether in asymmetric organocatalytic Mukaiyama–Michael reactions**  
**Reile, Indrek**; **Paju, Anne**; **Kanger, Tõnis**; **Järving, Ivar**; **Lopp, Margus** Tetrahedron letters 2012 / p. 1476-1478 : ill  
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**Cyclopropane-containing compounds in organocatalytic Michael reaction**  
**Reitel, Kärt**; **Kudrjašova, Marina**; **Lopp, Margus**; **Kanger, Tõnis** BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 163

**Derivatisation of Grieco lactone**  
**Aav, Riina**; **Kanger, Tõnis**; **Pehk, Tõnis**; Riismandel, A.; **Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 55

**Designed whole-cell-catalysis-assisted synthesis of 9,11-secosterols**  
**Kõllo, Marek**; Kasari, Marje; Kasari, Villu; **Pehk, Tõnis**; **Järving, Ivar**; **Lopp, Margus**; Jöers, Arvi; **Kanger, Tõnis** Beilstein journal of organic chemistry 2021 / p. 581–588 <https://doi.org/10.3762/bjoc.17.52> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Diastereoselective [2,3]-sigmatropic rearrangement of N-allyl ammonium ylides**  
**Murre, Aleksandra**; **Erkman, Kristin**; **Kaabel, Sandra**; **Järving, Ivar**; **Kanger, Tõnis** Synthesis 2019 / p. 4183–4197  
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**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

**Diastereoselective multicomponent cascade reaction leading to [3.2.0]-heterobicyclic compounds**  
**Ausmees, Kerti**; **Kriis, Kadri**; **Pehk, Tõnis**; **Werner, Franz**; **Järving, Ivar**; **Lopp, Margus**; **Kanger, Tõnis** The journal of organic chemistry 2012 / p. 10680-10687 : ill <https://pubs.acs.org/doi/abs/10.1021/jo3019413>

**Diastereoselektiivne multikomponentne kaskaadreaktsioon**  
**Kriis, Kadri**; **Pehk, Tõnis**; **Kanger, Tõnis**; **Lopp, Margus** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 14

**Diastereoselective multicomponent cascade reaction leading to heterobicyclic heptanes**  
**Ausmees, Kerti**; **Kriis, Kadri**; **Pehk, Tõnis**; **Lopp, Margus**; **Kanger, Tõnis** BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 51 <https://pubs.acs.org/doi/abs/10.1021/jo3019413>

**Direct asymmetric [alfa]-hydroxylation of 2-hydroxymethyl ketones**  
**Paju, Anne**; **Kanger, Tõnis**; **Pehk, Tõnis**; **Lopp, Margus** Tetrahedron 2002 / p. 7321-7326

**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**  
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**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**  
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### Effect of the chiral catalyst in asymmetric Baeyer-Villiger oxidation of cyclic ketones

Kriis, Kadri; **Kanger, Tõnis; Paju, Anne**; Ilmarinen, Kaja; **Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. 51

### Efficiency of stereoselective [2,3]-sigmatropic rearrangement reactions = Stereoselektiivsete [2,3]-sigmatroopsete ümberasetusreaktsioonide efektiivsus

**Murre, Aleksandra** 2023 <https://doi.org/10.23658/taltech.66/2023> <https://digikogu.taltech.ee/et/Item/b5e0d31c-c48f-47ba-a629-b176661ae385> [https://www.ester.ee/record=b5645593\\*est](https://www.ester.ee/record=b5645593*est)

### Enantioselective catalytic synthesis of N-alkylated indoles

**Trubitsõn, Dmitri; Kanger, Tõnis** Chiral Auxiliaries and Chirogenesis II 2021 / p. 1-30 <https://doi.org/10.3390/sym12071184> <https://doi.org/10.3390/books978-3-0365-1155-9>

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### Enantioselective H-bond catalyzed spirocyclopropanation and Wittig [2,3]-rearrangement = Enantioselektiivne H-sideme katalüüsitud spirotsüklopropaneerimine ja Wittigi [2,3]-ümberasetusreaktsioon

**Ošeka, Maksim** 2017 [http://www.ester.ee/record=b4752914\\*est](http://www.ester.ee/record=b4752914*est) <https://digi.lib.ttu.ee/i/?9226>

### Enantioselective Henry reaction catalyzed by Cull salt and biperidine

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**Kaasik, Mikk; Martõnova, Jevgenia; Erkman, Kristin; Metsala, Andrus; Järving, Ivar; Kanger, Tõnis** Chemical science 2021 / p. 7561-7568 <https://doi.org/10.1039/D1SC01029H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Enantioselective N-alkylation of 3-cyanoindole [Online resource]

**Trubitsõn, Dmitri; Kanger, Tõnis** 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/>

### Enantioselective N-alkylation of indole derivatives [Online resource]

**Trubitsõn, Dmitri; Kanger, Tõnis** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fntdk.ut.ee/teesid-2019/>

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**Trubitsõn, Dmitri; Martõnova, Jevgenia; Erkman, Kristin; Metsala, Andrus; Saame, Jaan; Köster, Kristjan; Järving, Ivar; Leito, Ivo; Kanger, Tõnis** Synthesis 2020 / p. 1047-1059 <https://doi.org/10.1055/s-0039-1690751> [Journal metrics at Scopus](#) [Article at WOS](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Trubitsõn, Dmitri; Kanger, Tõnis** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 84 : ill <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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

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

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**Laars, Marju; Ausmees, Kerti; Uudsemaa, Merle; Tamm, Toomas; Kanger, Tõnis; Lopp, Margus** The journal of organic chemistry 2009 / p. 3772-3775 <https://pubs.acs.org/doi/full/10.1021/jo900322h>

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"Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

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**Trubitsõn, Dmitri; Martõnova, Jevgenia; Kudrjašova, Marina; Erkman, Kristin; Järving, Ivar; Kanger, Tõnis** Organic letters 2021 / p. 1820-1824 <https://doi.org/10.1021/acs.orglett.1c00222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Trubitsõn, 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 synthesis of Wieland-Miescher ketone through biomorpholine-catalyzed organocatalytic aldol condensation**

**Kriis, Kadri; Kanger, Tõnis; Laars, Marju; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Synlett 2006 / 11, p. 1699-1702 [https://www.researchgate.net/publication/237887633\\_Enantioselective\\_Synthesis\\_of\\_Wieland-Miescher\\_Ketone\\_through\\_Bimorpholine-Catalyzed\\_Organocatalytic\\_Aldol\\_Condensation](https://www.researchgate.net/publication/237887633_Enantioselective_Synthesis_of_Wieland-Miescher_Ketone_through_Bimorpholine-Catalyzed_Organocatalytic_Aldol_Condensation)

#### **Enantioselectiivne Henry reaktsioon N-iPr-bipiperidiini - Cu(OAc)<sub>2</sub> H<sub>2</sub>O kompleksi katalüüsil**

**Noole, Artur; Kanger, Tõnis** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 59

#### **Enzymatic ways for desymmetrization of malonic derivatives**

**Murre, Aleksandra; Erkman, Kristin; Kanger, Tõnis** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 64 : ill <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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**Kobzar, Gennadi; Shelkovnikov, Stanislav; Mardla, Vilja; Savitski, Gennadi; Lopp, Margus; Kanger, Tõnis; Lille, Ülo** Journal of lipid mediators and cell signalling 1994 / p. 243-249: 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

#### **Halo-1,2,3-triazolium salts as halogen bond donors for the activation of imines in dihydropyridinone synthesis**

**Kaasik, Mik; Metsala, Andrus; Kaabel, Sandra; Kriis, Kadri; Järving, Ivar; Kanger, Tõnis** Journal of organic chemistry 2019 / p. 4294–4303 : ill <https://doi.org/10.1021/acs.joc.9b00248> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Metsala, Andrus; Kaasik, Mik; Kanger, Tõnis; Lopp, Margus** XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 28 [https://www.ester.ee/record=b5208044\\*est](https://www.ester.ee/record=b5208044*est)

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**Kaasik, Mik; Kanger, Tõnis** Asymmetric Organocatalysis: New Strategies, Catalysts, and Opportunities. Vol. 1 2022 / p. 203-224 <https://doi.org/10.1002/9783527832217.ch6>

#### **Halotriazolium salts as organocatalysts in aza-Diels-Alder reaction [Online resource]**

**Kaasik, Mik; Kriis, Kadri; Kanger, Tõnis** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja



**Highly enantio- and diastereoselective generation of two quaternary centers in spirocyclopropanation of oxindole derivatives**

**Noole, Artur**; Sucman, Natalia S.; Kabeshov, Mikhail A.; **Kanger, Tõnis**; Macaev, Fliur Z.; Malkov, Andrei Chemistry : a European journal 2012 / p. 14929–14933 : ill <https://pubmed.ncbi.nlm.nih.gov/23112107/>

**Indooli derivaatide enantioselektiivne N-alküleerimine**

**Trubitsõn, Dmitri; Kudrjašova, Marina; Kanger, Tõnis** XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 42 : ill [https://www.ester.ee/record=b5208044\\*est](https://www.ester.ee/record=b5208044*est)

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**Uudsemaa, Merle; Laars, Marju; Kriis, Kadri; Tamm, Toomas; Lopp, Margus; Kanger, Tõnis** Chemical physics letters 2009 / 1/3, p. 92-96 <https://www.sciencedirect.com/science/article/abs/pii/S0009261409001857>

**Investigation of the synthesis of hydroxylated cyclopentanediones**

**Niidu, Allan; Paju, Anne; Eek, Margus; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : June 27-July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 116

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**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

**12 uut positsiooni**

**Salupere, Andrus; Sergejev, Fjodor; Kallaste, Kadri; Pihel, Hele-Riin; Tärnov, Külle; Anton, Maia-Liisa; Annus, Ivar; Kanger, Tõnis; Kerikmäe, Tanel; Illing, Sven; Uutar, Aivar** Mente et Manu 2020 / lk. 54-59 : portr [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)  
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**Kriis, Kadri; Kanger, Tõnis; Lopp, Margus** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 44

**Kiraalsete asendatud tsüklopentanoonide süntees**

**Ausmees, Kerti; Kütt, Kristel; Kanger, Tõnis** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 24

**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-alküül-1,2-tsüklopentaandioonide asümmeetriline oksüdatsioon**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 102-103

**3-asabitsüklo[3.2.0]heptaani derivaatide stereoselektiivne süntees**

**Kriis, Kadri; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 46 : ill

**3-bensüüloksümetüül-1,2-tsüklopentaandiooni süntees ja asümmeetriline oksüdatsioon**

**Laos, Marit; Paju, Anne; Kanger, Tõnis; Lopp, Margus; Pehk, Tõnis** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 52-53

**Lihne meetod enantiomeerse trans-3,4-epoksü-1-oktüüni sünteesiks viinhappe derivaadist**

Lopp, Margus; Kanger, Tõnis; Niidas, Piret; **Pehk, Tõnis** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 66-67

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**Aaviksoo, Jaak; Kanger, Tõnis; Jervan, Gert; Oorn, Arvo; Listra, Enn; Leiger, Roomet** Mente et Manu 2018 / lk. 16-31 : portr [https://ttu.ee/public/m/mente-et-manu/MM\\_02\\_2018/mobile/index.html#p=6](https://ttu.ee/public/m/mente-et-manu/MM_02_2018/mobile/index.html#p=6) [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est)  
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**Kanger, Tõnis** Tallinna Tehnikaülikooli aastaraamat 2010 2011 / lk. 25-26

### **Michael-addition/cyclization of cyclopentane-1,2-dione to alkylidenemalononitriles [Online resource]**

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