

**Activation of 11R-lipoxygenase is fully Ca<sup>2+</sup>-dependent and controlled by the phospholipid composition of the target membrane**

Järving, Reet; Lõokene, Aivar; Kurg, Reet; Siimon, Liina; Järving, Ivar; Samel, Nigulas Biochemistry 2012 / p. 3310-3320 : ill <https://pubs.acs.org/doi/10.1021/bi201690z>

**An advanced intermediate for the synthesis of 9,11-secosterols**

Jäälaid, Raissa; Järving, Ivar; Pehk, Tõnis; Lille, Ülo Proceedings of the Estonian Academy of Sciences. Chemistry 1998 / p. 39-43

**Aerobic cascade oxidation of substituted cyclopentane-1, 2-diones using metalloporphyrin catalysts [Online resource]**

Oja, Karolin; Borovkov, Victor; Kananovich, Dzmitry; Järving, Ivar; Lopp, Margus 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/>

**Aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts**

Maljutenko, Karolin; Borovkov, Victor; Kananovich, Dzmitry; Järving, Ivar; Lopp, Margus Tetrahedron 2018 / p. 661-664 : ill <https://doi.org/10.1016/j.tet.2017.12.009> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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

**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>

**An NMR spectroscopic investigation of functional group selectivity of lipase-catalysed reactions of 11-acetyl prostaglandins E1 and E2**

Villo, Ly; Tamp, Sven; Vallikivi, Imre; Järving, Ivar; Pehk, Tõnis; Parve, Omar Proceedings of the 9th International Symposium on Biocatalysis and Biotransformations - (Biotrans 2009) Held in Bern, Switzerland 5-9 July 2009 2010 / p. 66

**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 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)

**The applicability of sulfoxide Michael acceptor - 2-(S)-[(4-methylphenyl)sulfinyl]-2-cyclopenten-1-one in constructing the carbon skeleton of 9,11-secosterols**

Rõuk, Kristi; Kõllo, Marek; Järving, Ivar; Lopp, Margus Proceedings of the Estonian Academy of Sciences 2024 / p. 223-227 : ill <https://doi.org/10.3176/proc.2024.3.06>

**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 <https://doi.org/10.1055/s-0033-1338704> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Asymmetric chemoenzymatic one-pot synthesis of  $\alpha$ -Hydroxy half-esters**

Murre, Aleksandra; Erkman, Kristin; Järving, Ivar; Kanger, Tõnis ACS Omega 2021 / p. 20686-20698 : ill <https://doi.org/10.1021/acsomega.1c02973> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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 <https://doi.org/10.1002/ejoc.201402061> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Kim, 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

**Asymmetric organocatalytic cascade synthesis of tetrahydrofuranyl spirooxindoles**

**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](#)

**Asymmetric organocatalytic Michael addition of cyclopentane-1,2-dione to alkylidene oxindole**  
**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](#)

**Asymmetric organocatalytic Michael addition–cyclisation cascade of cyclopentane-1,2-dione with alkylidene malononitriles**  
**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](#)

**Asymmetric organocatalytic Michael Addition-cyclization cascade of cyclopentane-1,2-dione with substituted  $\alpha,\beta$ -unsaturated aldehydes**  
**Preegel, Gert; Silm, Estelle; Kaabel, Sandra; Järving, Ivar; Rissanen, Kari; Lopp, Margus** Synthesis 2017 / p. 3118-3125 : ill  
<https://doi.org/10.1055/s-0036-1588787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 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 <https://doi.org/10.1021/acs.orglett.6b00291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Asymmetric synthesis of 2,3,4-trisubstituted piperidines**  
**Kriis, Kadri; Melnik, Triin; Lips, Kristiina; Juhanson, Ilona; Kaabel, Sandra; Järving, Ivar; Kanger, Tõnis** Synthesis 2017 / p. 604-614 : ill <https://doi.org/10.1055/s-0036-1588299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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  
<https://doi.org/10.1021/jo4008223> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 [https://doi.org/10.3987/COM-13-S\(S\)28](https://doi.org/10.3987/COM-13-S(S)28) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Blood plasma influences anti-aggregatory potency of prostaglandins : effect of albumin**  
**Kobzar, Gennadi; Mardla, Vilja; Järving, Ivar; Samel, Nigulas** Inflammopharmacology 1999 / 2, p. 179-185

**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 <https://doi.org/10.1021/acs.joc.5b00769> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of two cyclooxygenase genes in the coral *Gersemia fruticosa***  
**Järving, Reet; Järving, Ivar; Kurg, Reet; Varvas, Külliki; Valmsen, Karin; Brash, Alan R.; Samel, Nigulas** 2nd Joint Symposium on "Plant Oxylipins" : June 12-14, 2003, Göttingen, Germany (invited lecture) 2003 / ? p

**Chimeric allene oxide synthase-lipoxygenase fusion proteins**  
**Löhelaid, Helike; Järving, Reet; Järving, Ivar; Samel, Nigulas** FEBS Journal 2010 / S1, p. 251

**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

**Cloning, expression and characterization of cyclooxygenase gene from amphipods**  
**Hansen, K.; Kurg, Reet; Varvas, Külliki; Valmsen, Karin; Järving, Ivar; Järving, Reet; Samel, Nigulas** FEBS journal 2008 / Suppl. 1, p. 403

### Comparison of antiaggregatory effects of PGI<sub>2</sub>, PGI<sub>3</sub> and iloprost on human and rabbit platelets

Kobzar, Gennadi; **Mardla, Vilja; Järving, Ivar; Samel, Nigulas** Cellular physiology and biochemistry 2001 / 5, p. 279-284  
<https://pubmed.ncbi.nlm.nih.gov/11684817/>

### 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>

### Copper(I)-binding properties of de-coppering drugs for the treatment of Wilson disease. $\alpha$ -Lipoic acid as a potential anti-copper agent

**Smirnova, Julia; Kabin, Ekaterina; Järving, Ivar; Bragina, Olga; Tõugu, Vello; Plitz, Thomas; Palumaa, Peep** Scientific reports 2018 / art. 1463, 9 p. : ill <https://doi.org/10.1038/s41598-018-19873-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Copper(I)-binding properties of de-coppering drugs for treatment of Wilson disease

**Smirnova, Julia; Kabin, Ekaterina; Järving, Ivar; Tõugu, Vello; Plitz, T.; Palumaa, Peep** The FEBS journal 2017 / p. 337  
<https://doi.org/10.1111/febs.14174>

### Coral dioxygenases : comparison and contrast with other dioxygenases

**Samel, Nigulas; Varvas, Külliki; Koljak, Reet; Valmsen, Karin; Järving, Ivar** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 138

### A critical role of non-active site residues on cyclooxygenase helices 5 and 6 in the control of prostaglandin stereochemistry at carbon 15

**Valmsen, Karin; Boeglin, William E.; Järving, Reet; Järving, Ivar; Varvas, Külliki; Brash, Alan R.; Samel, Nigulas** The journal of biological chemistry 2007 / 38, p. 28157-28163 <https://www.sciencedirect.com/science/article/pii/S0021925820587127>

### Cyclopentane-1,2-dione bis(tert-butyldimethylsilyl) 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 <https://www.sciencedirect.com/science/article/pii/S0040403912000767>

### Designed whole-cell-catalysis-assisted synthesis of 9,11-secosterols

**Kõllo, Marek; Kasari, Marje; Kasari, Villu; Pehk, Tõnis; Järving, Ivar; Lopp, Margus; Jõers, 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; Kabel, Sandra; Järving, Ivar; Kanger, Tõnis** Synthesis 2019 / p. 4183–4197  
<https://doi.org/10.1055/s-0039-1690185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### 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>

### Dioksügenaasid korallis *Gersemia fruticosa* : hapniku allikas, selektiivsete inhibiitorite toime

**Varvas, Külliki; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Müürisepp, Aleksander-Mati; Liiv, Milana; Samel, Nigulas** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 152

### A direct alkylation of resorcinols

**Lopušanskaja, Eleana; Paju, Anne; Järving, Ivar; Lopp, Margus** Synthetic communications 2023 / p. 1216-1226 : ill  
<https://doi.org/10.1080/00397911.2023.2214645> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Direct evidence of the cyclooxygenase pathway of prostaglandin synthesis in arthropods : genetic and biochemical characterization of two crustacean cyclooxygenases

**Varvas, Külliki; Kurg, Reet; Hansen, Kristella; Järving, Reet; Järving, Ivar; Valmsen, Karin; Lõhelaid, Helike; Samel, Nigulas** Insect biochemistry and molecular biology 2009 / 12, p. 851-860 <https://www.sciencedirect.com/science/article/pii/S0965174809001490>

### Divergent access to histone deacetylase inhibitory cyclopeptides via a late-stage cyclopropane ring Cleavage strategy. Short synthesis of Chlamydocin

**Elek, Gabor Zoltan; Koppel, Kaur; Zubrytski, Dzmitry M.; Konrad, Nele; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry** Organic letters 2019 / p. 8473-8478 : ill <https://doi.org/10.1021/acs.orglett.9b03305> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Effect of selective inhibitors on arachidonic acid metabolism in the soft coral *Gersemia fruticosa*

**Varvas, Külliki; Järving, Ivar; Valmsen, Karin; Koljak, Reet; Samel, Nigulas** Prostaglandins leukotrienes and essential fatty acids

**Enantioselective Michael addition to vinyl phosphonates via hydrogen bond-enhanced halogen bond catalysis**

**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 Nitroindoles under Phase-Transfer Catalysis**

**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](#)

**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 <https://doi.org/10.1055/s-0034-1378374> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Enantioselective organocatalytic Michael addition to unsaturated indolyl ketones**

**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](#)

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

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

**Endoperoxide pathway in prostaglandin biosynthesis in the soft coral *Gersemia fruticosa***

**Varvas, Külliki; Koljak, Reet; Järving, Ivar; Pehk, Tõnis; Samel, Nigulas** Tetrahedron letters 1994 / 44, p. 8267-8270

**E-prostaglandiinide teke : väitekiri on esitatud Tallinna Tehnikaülikooli loodusteaduste magistrakraadi taotlemiseks : magistritöö**

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

**Ergosterooli muundamine 9,11-secosteroolide saamiseks**

Jäälaid, Raissa; **Veressinina, Jelena; Järving, Ivar; Pehk, Tõnis; Lille, Ülo** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 37

**Evidence of a cyclooxygenase-related prostaglandin synthesis in coral**

**Varvas, Külliki; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Brash, Alan R.; Samel, Nigulas** Journal of biological chemistry 1999 / 15, p. 9923-9929

**First partial synthesis of 9,11-secosterols with the modified side chain**

Jäälaid, Raissa; **Järving, Ivar; Pehk, Tõnis; Lille, Ülo** Proceedings of the Estonian Academy of Sciences. Chemistry 1998 / 4, p. 196-199 [https://artiklid.elnet.ee/record=b2308819\\*est](https://artiklid.elnet.ee/record=b2308819*est)

**Formation and trapping of the thermodynamically unfavoured inverted-hemicucurbit[6]uril**

**Prigorchenko, Elena; Kaabel, Sandra; Narva, Triin; Baškir, Anastassia; Fomitšenko, Maria; Adamson, Jasper; Järving, Ivar; Rissanen, Kari; Tamm, Toomas; Aav, Riina** Chemical communications 2019 / p. 9307-9310 : ill <https://doi.org/10.1039/C9CC04990H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Gly188Arg substitution eliminates substrate inhibition in arachidonate 11R-lipoxygenase**

**Põldemaa, Kaspar; Lipp, Maarja; Järving, Ivar; Samel, Nigulas; Eek, Priit** Biochemical and biophysical research communications 2019 / p. 81-85 : ill <https://doi.org/10.1016/j.bbrc.2019.08.132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Kaasik, Mikk; 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](#)



### **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 <https://doi.org/10.1016/j.tet.2014.03.104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Identification and characterization of a naturally occurring 11R-lipoxygenase**

**Järving, Reet**; **Mortimer, Monika**; Brash, Alan R.; **Samel, Nigulas**; **Järving, Ivar** Prostaglandins & other lipid mediators 2006 / 1/2, p. 184 <https://www.researchgate.net/publication/278279948> [Identification and characterization of a naturally occurring 11R-lipoxygenase](#)

### **Identification and characterization of a naturally occurring 11R-lipoxygenase**

**Järving, Reet**; **Mortimer, Monika**; Brash, Alan R.; **Samel, Nigulas**; **Järving, Ivar** 9th International Conference "Eicosanoids & Other Bioactive Lipids in Cancer, Inflammation & Related Diseases 2005 / p. 11-14

### **Identification and characterization of an arachidonate 11R-lipoxygenase**

**Mortimer, Monika**; **Järving, Reet**; Brash, Alan R.; **Samel, Nigulas**; **Järving, Ivar** Archives of biochemistry and biophysics 2006 / 1, p. 147-155 : ill <https://www.sciencedirect.com/science/article/pii/S0003986105004455>

### **Identification of a functional allene oxide synthase-lipoxygenase fusion protein in the soft coral *Gersemia fruticosa* suggests the generality of this pathway in octocorals**

**Lõhelaid, Helike**; **Järving, Reet**; **Valmsen, Karin**; **Varvas, Külliki**; **Kreen, Malle**; **Järving, Ivar**; **Samel, Nigulas** Biochimica et biophysica acta 2008 / 2, p. 315-321 <https://www.sciencedirect.com/science/article/abs/pii/S030441650700253X>

### **Identification of glycolytic proteins as binding partners of Bri2 BRICHOS domain**

Tigro, Helene; Shimozaawa, Makoto; Nilsson, Per; Lyashkov, Alexey; Khadeer, Mohammed; **Järving, Ivar**; Ferrucci, Luigi; Shimmo, Ruth; Johansson, Jan; Moaddel, Ruin Journal of pharmaceutical and biomedical analysis 2023 / art. 115465, 8 p. : ill <https://doi.org/10.1016/j.jpba.2023.115465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Imetaja ja koralli tsükloooksügenaasi struktuurerinevused**

**Valmsen, Karin**; **Koljak, Reet**; **Järving, Ivar**; **Varvas, Külliki**; **Samel, Nigulas** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 188

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

**Eek, Priit**; **Põldemaa, 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)

### **Isolation and characterization of the cDNA for prostaglandin endoperoxide synthase from the white sea soft coral *Gersemia fruticosa***

**Koljak, Reet**; **Varvas, Külliki**; **Järving, Ivar**; **Samel, Nigulas** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 29

### **Kaks tsükloooksügenaasi kodeerivat geeni korallist *Gersemia fruticosa***

**Järving, Reet**; **Järving, Ivar**; **Samel, Nigulas** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 35

### **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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Korallide dioksügenaasid : võrdlus teiste dioksügenaasidega**

**Samel, Nigulas**; **Varvas, Külliki**; **Koljak, Reet**; **Valmsen, Karin**; **Järving, Ivar** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 127

### **Lipase-catalysed acylation of prostanoids**

Parve, Omar; **Järving, Ivar**; **Martin, Ivar**; **Metsala, Andrus**; **Vallikivi, Imre**; **Aidnik, Madis**; **Pehk, Tõnis**; **Samel, Nigulas** Bioorganic & medicinal chemistry letters 1999 / p. 1853-1858: ill

### **Lipase-catalysed derivatisation of prostanoids**

Parve, Omar; **Vallikivi, Imre**; **Martin, Ivar**; **Järving, Ivar**; **Samel, Nigulas** 11th European Symposium on Organic Chemistry : Göteborg, Sweden, July 23-28, 1999 : programme and abstracts 1999 / p. P179

### Lipase-catalysed regioselective acylation/deacylation of prostanoids

Vallikivi, Imre; Järving, Ivar; Metsala, Andrus; Pehk, Tõnis; Parve, Omar International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. [82]

### 11R-lipoksügenaasi kristallstruktuuri mudel

Eek, Priit; Järving, Reet; Järving, Ivar; Newcomer, Marcia E.; Samel, Nigulas XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 18

### Maitsekas toiduteadus pikendab Eesti rahvusroa eluiga

novaator.err.ee 2023 [Maitsekas toiduteadus pikendab Eesti rahvusroa eluiga](#)

### Modulatory effect of 8-iso-PGE2 on platelets

Kobzar, Gennadi; Mardla, Vilja; Järving, Ivar; Samel, Nigulas; Lõhmus, Madis General pharmacology 1997 / 2, p. 317-321

### Multifunctional catalysts in the asymmetric Mannich reaction of malononitrile with N-Phosphinoylimines : coactivation by halogen bonding versus hydrogen bonding

Kriis, Kadri; Martõnov, Harry; Miller, Annette; Erkman, Kristin; Järving, Ivar; Kaasik, Mikk; Kanger, Tõnis The journal of organic chemistry 2022 / p. 7422-7435 : ill <https://doi.org/10.1021/acs.joc.2c00674> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Multi-purpose heterogeneous catalyst material from an amorphous cobalt metal-organic framework

Ping, Kefeng; Alam, Mahboob; Kahnert, Sean Ray; Bhadoria, Rohit; Mere, Arvo; Mikli, Valdek; Käärik, Maike; Aruväli, Jaan; Paiste, Päärn; Kikas, Arvo; Kisand, Vambola; Järving, Ivar; Leis, Jaan; Kongi, Nadežda; Starkov, Pavel Materials advances 2021 / p. 4009-4015 <https://doi.org/10.1039/D1MA00414J> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### New cytotoxic sterols from the soft coral *Gersemia fruticosa*

Koljak, Reet; Lopp, Annika; Pehk, Tõnis; Varvas, Külliki; Müürisepp, Aleksander-Mati; Järving, Ivar; Samel, Nigulas Tetrahedron 1998 / p. 179-186

### New homologues of chiral cyclohexylhemicurbit[n]urils

Fomitšenko, Maria; Shmatova, Elena; Öeren, Mario; Järving, Ivar; Aav, Riina Supramolecular chemistry 2014 / p. 698-703 : ill <https://doi.org/10.1080/10610278.2014.926362> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### NMR monitoring of lipase-catalyzed reactions of prostaglandins : preliminary estimation of reaction velocities

Vallikivi, Imre; Järving, Ivar; Pehk, Tõnis; Samel, Nigulas; Tõugu, Vello; Parve, Omar Journal of molecular catalysis B : enzymatic 2004 / p. 15-19 : ill

### 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 <https://doi.org/10.1016/j.cbpb.2014.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Oksüdatsiooni stereospetsiifilisus arahhidoonhappe C-15 juures tsüklooksügenaasi katalüüsis

Valmsen, Karin; Järving, Reet; Järving, Ivar; Samel, Nigulas XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 156

### On the evolutionary origin of cyclooxygenase (COX) isozymes

Järving, Reet; Järving, Ivar; Kurg, Reet; Brash, Alan R.; Samel, Nigulas The journal of biological chemistry 2004 / 14, Issue of April 2, p. 13624-13633 : ill

### Organocatalytic asymmetric addition of malonates to unsaturated 1,4-diketones

Žari, Sergei; Kailas, Tiiu; Kudrjašova, Marina; Öeren, Mario; Järving, Ivar; Tamm, Toomas; Lopp, Margus; Kanger, Tõnis Beilstein journal of organic chemistry 2012 / p. 1452-1457 : ill <https://pubmed.ncbi.nlm.nih.gov/23019480/>

### Organocatalytic asymmetric synthesis of 3-chlorooxindoles bearing adjacent quaternary-tertiary centers

Noole, Artur; Järving, Ivar; Werner, Franz; Lopp, Margus; Malkov, Andrei; Kanger, Tõnis Organic letters 2012 / p. 4922-4925 : ill <https://pubs.acs.org/doi/10.1021/ol302245b>

### Organocatalytic asymmetric synthesis of trisubstituted pyrrolidines via a cascade reaction

Noole, Artur; Pehk, Tõnis; Järving, Ivar; Lopp, Margus; Kanger, Tõnis Tetrahedron : asymmetry 2012 / p. 188-198 : ill <https://www.sciencedirect.com/science/article/pii/S0957416612000912>

**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

**Oxidative metabolism of arachidonic acid in coral: definition of different cyclooxygenase and lipoxygenase pathways**

**Varvas, Külliki; Järving, Ivar; Koljak, Reet; Valmsen, Karin; Samel, Nigulas** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 79

**A PDZ-like domain mediates the dimerization of 11R-lipoxygenase**

**Eek, Priit; Põldemaa, Kaspar; Kasvandik, Sergo; Järving, Ivar; Samel, Nigulas** Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 1121-1128 : ill <https://doi.org/10.1016/j.bbalip.2017.07.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**PGG2 as a key intermediate in prostaglandin biosynthesis in the coral *Gersemia fruticosa***

**Samel, Nigulas; Varvas, Külliki; Koljak, Reet; Pehk, Tõnis; Järving, Ivar** 9th International Conference on Prostaglandins and Related Compounds, Florence, Italy, 1994 : abstract book 1994 / p. 135

**A phenotypic approach to probing cellular outcomes using heterobivalent constructs**

**Bhadoria, Rohit; Ping, Kefeng; Lohk, Christer; Järving, Ivar; Starkov, Pavel** Chemical Communications 2020 / p. 4216 - 4219 <https://doi.org/10.1039/c9cc09595k> <https://pubs.rsc.org/en/content/articlelanding/2020/cc/c9cc09595k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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)

**Probing cellular outcomes using heterobivalent constructs [Online resource]**

**Bhadoria, Rohit; Ping, Kefeng; Lohk, Christer; Järving, Ivar; Starkov, Pavel** ChemRxiv 2019 / 9, S74 p. : ill <https://doi.org/10.26434/chemrxiv.7613213.v1>

**Prostaglandiinide biosüntees korallides**

**Samel, Nigulas; Järving, Ivar; Varvas, Külliki; Koljak, Reet; Pehk, Tõnis** Eesti Teaduste Akadeemia aastaaruanne 1994 1995 / lk. 54-55

**Prostaglandiinide biosüntees korallides**

**Samel, Nigulas; Varvas, Külliki; Koljak, Reet; Järving, Ivar; Pehk, Tõnis** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 125-127

**Prostanoidide lipaas-katalüütiline atsüleerimine**

**Parve, Omar; Vallikivi, Imre; Martin, Ivar; Järving, Ivar; Samel, Nigulas** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 129-130

**Puidukeemia - hoogu võttev tuleviku tehnoloogia?**

**Gaškov, Ago** TööstusEST 2018 / lk. 52-56 : fot [http://www.ester.ee/record=b4481084\\*est](http://www.ester.ee/record=b4481084*est) [https://artiklid.elnet.ee/record=b2867304\\*est](https://artiklid.elnet.ee/record=b2867304*est)

**A quantitative method for analysis of mixtures of homologues and stereoisomers of hemicucurbiturils that allows us to follow their formation and stability**

**Fomitšenko, Maria; Peterson, Anna; Reile, Indrek; Cong, Hang; Kabel, Sandra; Prigorchenko, Elena; Järving, Ivar; Aav, Riina** New journal of chemistry 2017 / p. 2490-2497 : ill <https://doi.org/10.1039/C6NJ03050E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sensitivity of platelets to prostaglandins in patients with coronary artery disease**

**Mardla, Vilja; Kobzar, Gennadi; Rätsep, Indrek; Lõhmus, Madis; Järving, Ivar; Samel, Nigulas** Proceedings of the Estonian Academy of Sciences. Biology. Ecology 2001 / 1, p. 33-36

**Separation and analysis of new cyclohexylhemicucurbituril 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

**Short synthesis of novel 9,11-secosterols**

**Jäälaid, Raissa; Järving, Ivar; Pehk, Tõnis; Parve, Omar; Lille, Ülo** Natural product letters 2001 / 4, p. 221-228 <https://www.tandfonline.com/doi/abs/10.1080/10575630108041285>

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

Kananovich, Dzmitry; Konik, Yulia A.; Zubrytski, Dzmitry M.; **Järving, Ivar; Lopp, Margus** Chemical communications 2015 / p. 8349-8352 : ill <https://doi.org/10.1039/c5cc02386f> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Kaabel, Sandra**; Stein, Robin S.; **Fomitšenko, Maria; Järving, Ivar**; Frišćic, 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](#)

**Site-selective and stereoselective C–H functionalization of N-Cyclopropylamides via a directed remote metalation strategy**

**Ermolovich, Yuri; Barysevich, Maryia V.**; Adamson, Jasper; Rogova, Oksana; **Kaabel, Sandra; Järving, Ivar; Gathergood, Nicholas; Kananovich, Dzmitry** Organic letters 2019 / p. 969-973 : ill <https://doi.org/10.1021/acs.orglett.8b03955> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 <https://doi.org/10.1007/s10593-013-1206-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Varvas, Külliki; 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 <https://doi.org/10.1016/j.bbailip.2012.11.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Structural and functional comparison of 15S- and 15R-specific cyclooxygenases from the coral Plexaura homomalla**

**Valmsen, Karin; Boeglin, William E.; Järving, Ivar; Schneider, Claus; Varvas, Külliki; Brash, Alan R.; Samel, Nigulas** Eur. J. Biochem. 2004 / p. 3533-3538 : ill <https://febs.onlinelibrary.wiley.com/doi/full/10.1111/j.0014-2956.2004.04289.x>

**Structure and regulation of arachidonate 11R-lipoxygenase = Arahidoonhappe 11R-lipoksügenaasi struktuur ja regulatsioon**

**Eek, Priit** 2018 <https://digi.lib.ttu.ee/?9953> [https://www.ester.ee/record=b5056537\\*est](https://www.ester.ee/record=b5056537*est)

**Structure of a calcium-dependent 11R-lipoxygenase suggests a mechanism for Ca<sup>2+</sup> regulation**

**Eek, Priit; Järving, Reet; Järving, Ivar**; Gilbert, Nathaniel C.; Newcomer, Marcia E.; **Samel, Nigulas** The journal of biological chemistry 2012 / p. 22377-22386 : ill <https://pubmed.ncbi.nlm.nih.gov/22573333/>

**Study of the asymmetric organocatalyzed [3+2] annulation of cyclopropenone and  $\beta$ -keto ester**

**Reitel, Kärt; Kriis, Kadri; Järving, Ivar; Kanger, Tõnis** Chemistry of heterocyclic compounds 2018 / p. 929-933 : ill <https://doi.org/10.1007/s10593-018-2372-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Surveying iron–organic framework TAL-1-derived materials in ligandless heterogeneous oxidative catalytic transformations of alkylarenes**

**Ping, Kefeng; Alam, Mahboob; Käärrik, Maike; Leis, Jaan; Kongi, Nadežda; Järving, Ivar; Starkov, Pavel** Synlett 2019 / p. 1536-1540 : ill <https://doi.org/10.1055/s-0037-1611877> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synthesis and characterisation of chiral triazole-based halogen-bond donors: halogen bonds in the solid state and in solution**

**Kaasik, Mik; Kaabel, Sandra; Kriis, Kadri; Järving, Ivar; Aav, Riina**; Rissanen, Kari; **Kanger, Tõnis** Chemistry - a European journal 2017 / p. 7337-7344 : ill <https://doi.org/10.1002/chem.201700618> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Kaasik, Mik; 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 of chiral triazole-based halogen bond donors**

**Kaasik, Mik; Kaabel, Sandra; Kriis, Kadri; Järving, Ivar; Kanger, Tõnis** Synthesis 2019 / p. 2128-2135 : ill <https://doi.org/10.1055/s-0037-1610864> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synthesis of cyclic 3-aryl-substituted 1,2-dicarbonyl compounds via Suzuki cross-coupling reactions**

**Lopušanskaja, Eleana; Paju, Anne; Järving, Ivar; Lopp, Margus** Synthesis 2018 / p. 1883-1890 : ill <https://doi.org/10.1055/s-0036-1591543> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### Synthesis of $\gamma$ -keto sulfones by copper-catalyzed oxidative sulfonylation of tertiary cyclopropanols

Konik, Yulia A.; **Elek, Gabor Zoltan; Kaabel, Sandra; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry** Organic & biomolecular chemistry 2017 / p. 8334-8340 : ill <https://doi.org/10.1039/C7OB01605K> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Synthesis, characterization and catalytic activity of enantiopure triazole-based halogen bond donors

**Kaasik, Mikk; Kaabel, Sandra; Metsala, Andrus; Peterson, Anna; Kriis, Kadri; Järving, Ivar; Aav, Riina;** Rissanen, Kari; Adamson, Jasper; **Kanger, Tõnis** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 35 : ill <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

### Teaduspreemia keemia ja molekulaarbioloogia alal tööde tsükli "Prostaglandiinide biosüntees selgrootutes" eest :

**Nigulas Samel (kollektiivi juht), Ivar Järving, Reet Koljak, Karin Valmsen, Külliki Varvas**

**Samel, Nigulas;** Järving, Ivar; Koljak, Reet; Valmsen, Karin; Varvas, Külliki Eesti Vabariigi teaduspreemiad 2002 2002 / lk. 30-40 : portr., ill

### 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 <https://doi.org/10.1039/c5cc04101e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### The basis of prostaglandin synthesis in coral : molecular cloning and expression of a cyclooxygenase from the arctic soft coral *Gersemia fruticosa*

**Koljak, Reet; Järving, Ivar;** Kurg, Reet; Boeglin, William E.; **Varvas, Külliki; Valmsen, Karin;** Ustav, Mart; Brash, Alan R.; Samel, Nigulas Journal of biological chemistry 2001 / 10, p. 7033-7040 : ill

### The dioxygenases in the soft coral *Gersemia fruticosa* : origin of the oxygen, the eff[e]ct of selective inhibitors

**Varvas, Külliki; Järving, Ivar; Koljak, Reet;** Valmsen, Karin; Müürisepp, Aleksander-Mati; **Liiv, Milana;** Samel, Nigulas 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 160

### The modelling and kinetic investigation of the lipase-catalysed acetylation of stereoisomeric prostaglandins

**Vallikivi, Imre;** Fransson, Linda; Hult, Karl; **Järving, Ivar; Pehk, Tõnis; Samel, Nigulas; Tõugu, Vello; Villo, Ly; Parve, Omar** Journal of molecular catalysis B : enzymatic 2005 / p. 62-69 : ill

### The origin of 15R-prostaglandins in the Caribbean coral *Plexaura homomalla* : molecular cloning and expression of a novel cyclooxygenase

**Valmsen, Karin; Järving, Ivar;** Boeglin, William E.; **Varvas, Külliki; Koljak, Reet; Pehk, Tõnis;** Brash, Alan R.; Samel, Nigulas Proceedings of the National Academy of Sciences of the United States of America 2001 / 14, p. 7700-7705 <https://www.pnas.org/doi/full/10.1073/pnas.131022398>

### *Thermomyces lanuginosus* lipase with closed lid catalyzes elimination of acetic acid from 11-acetyl-prostaglandin E2

**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 <https://doi.org/10.1002/cctc.201400019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### 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 [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Towards ortho-selective electrophilic substitution/addition to phenolates in anhydrous solvents

**Lopušanskaja, Eleana; Kooli, Anni; Paju, Anne; Järving, Ivar; Lopp, Margus** Tetrahedron 2021 / art. 131935, 9 p <https://doi.org/10.1016/j.tet.2021.131935> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Towards the total synthesis of 9,11-secosterol: Linking A,B- and D-rings with Michael addition to sulfone-activated cyclopentenone

**Kõllo, Marek; Rõuk, Kristi; Järving, Ivar;** Pehk, Tõnis; **Lopp, Margus** Tetrahedron 2023 / art. 133363 : ill <https://doi.org/10.1016/j.tet.2023.133363> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Transformation of ergosterol towards 9,11-secosterols

Jäälaid, Raissa; **Veressinina, Jelena; Järving, Ivar; Pehk, Tõnis; Lille, Ülo** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 42

### Tsüklooksügenaas kirpvähilistest : kloneerimine, ekspresseerimine ja iseloomustamine

Hansen, K.; Kurg, Reet; **Varvas, Külliki; Järving, Ivar; Järving, Reet; Valmsen, Karin; Samel, Nigulas** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 30-31

**Tunable chiral triazole-based halogen bond donors : assessment of donor strength in solution with nitrogen-containing acceptors**

**Peterson, Anna; Kaasik, Mikk; Metsala, Andrus; Järving, Ivar;** Adamson, Jasper; **Kanger, Tõnis** RSC advances 2019 / p. 11718–11721 : ill <https://doi.org/10.1039/c9ra01692a> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Two catalytic methods of an asymmetric Wittig [2,3]-rearrangement**

**Ošek, Maksim; Kimm, Mariliis; Järving, Ivar; Lippur, Kristin; Kanger, Tõnis** Journal of organic chemistry 2017 / p. 2889-2897 : ill <https://doi.org/10.1021/acs.joc.6b02786> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**[2,3]-Wittig rearrangement as a formal asymmetric alkylation of  $\alpha$ -branched ketones**

**Kimm, Mariliis; Ošek, Maksim; Kaabel, Sandra; Metsala, Andrus; Järving, Ivar; Kanger, Tõnis** Organic letters 2019 / p. 4976-4980 <https://doi.org/10.1021/acs.orglett.9b01495> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Two-step conversion of carboxylic esters into distally fluorinated ketones: Via ring cleavage of cyclopropanol intermediates: Application of sulfinate salts as fluoroalkylating reagents**

**Konik, Yulia A.; Kudrjašova, Marina; Konrad, Nele; Kaabel, Sandra; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry** Organic and Biomolecular Chemistry 2017 / p. 4635-4643 : ill <https://doi.org/10.1039/c7ob00680b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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)

**Uus 8-lipoksügenaas korallist *Gersemia fruticosa***

**Lõhelaid, Helike; Mortimer, Monika; Järving, Reet; Varvas, Külliki; Samel, Nigulas; Järving, Ivar** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 81-82

**UV-analysis of macrocyclic and linear oligomers of hemicucurbiturils [Online resource]**

**Fomitšenko, Maria; Kaabel, Sandra; Kreekman, Karin; Trunin, Madli; Järving, Ivar; 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/>

**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)