

Activation of 11R-lipoxygenase is fully Ca²⁺-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

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 α-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 <https://doi.org/10.1055/s-0034-1379956> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 α,β -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

Ošeka, 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

CaCl₂, 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 Oxylinins" : 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 PGI₂, PGI₃ 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 π -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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Copper(I)-binding properties of de-coppering drugs for the treatment of Wilson disease. α -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-secoosterols

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; Kaabel, 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 1996 / p. 82

Enantioselective Michael addition to vinyl phosphonates via hydrogen bond-enhanced halogen bond catalysis
Kaasik, Mikk; Martõnova, Jevgenija; 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, Jevgenija; 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, Jevgenija; 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-enates
Preegel, Gert; Ilmarinen, Kaja; Järving, Ivar; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus Synthesis 2015 / p. 3805-3812 : ill <https://doi.org/10.1055/s-0035-1560347> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 magistrikraadi taotlemiseks : magistritöö
Kristjuhan, Siret 1994 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

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
Põldmaa, 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 tsüklooksügenaasi struktuuririnevused

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

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 tsüklooksügenaasi 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

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,

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**; Käär, Maie; 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

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, Tiit**; **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 β - and γ -amino acids

Kaasik, Mikk; Noole, Artur; Reitel, Kärt; Järving, Ivar; Kanger, Tõnis European journal of organic chemistry 2015 / p. 1745-1753 : ill <https://doi.org/10.1002/ejoc.201403387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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, Sergio; 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

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 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; Kaabel, Sandra; Prigorchenko, Elena; Järving, Ivar; Aav, Riina New journal of chemistry 2017 / p. 2490-2497 : ill <https://doi.org/10.1039/C6NJ03050E> [Journal metics 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 β -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**; Friščic, 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-cyclopentanediols via γ -lactones

Niidu, Allan; **Paju, Anne; Müürisepp, Aleksander-Mati; Järving, Ivar; Kailas, Tiit; 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.bbalip.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 = Arahhidoonhappe 11R-lipoksügenaasi struktuur ja regulatsioon

Eek, Priit 2018 <https://digi.lib.ttu.ee/i/?9953> https://www.ester.ee/record=b5056537*est

Structure of a calcium-dependent 11R-lipoxygenase suggests a mechanism for Ca²⁺ 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 cyclopropanone and β -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, Mikk; 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, Mikk; 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, Mikk; 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->

Synthesis of γ -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-secoosterol: 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-secoosterols

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

Ošeka, 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 α -branched ketones

Kimm, Mariliis; Ošeka, 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

Uus 8-lipoksügenaas korallist *Gersemia fruticosa*

Löhelaid, 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 тромбосана A2 и природных E-простагландинов : автореферат ... кандидата химических наук (02.00.03)

Järving, Ivar 1991 https://www.ester.ee/record=b1205942*est