

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

**Kriis, Kadri; Ausmees, Kerti; Pehk, Tõnis; Lopp, Margus; Kanger, Tõnis** Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 2010 / p. 117

#### **A short enantioselective synthesis of homocitric acid [gamma]lactone and 4-hydroxyhomocitric acid [gamma]lactones**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Eek, Margus; Lopp, Margus** International Conference on Organic Synthesis : June 27- July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 118

#### **A short enantioselective synthesis of homocitric acid-[gamma]-lactone and 4-hydroxy-homocitric acid-[gamma]-lactones**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Eek, Margus; Lopp, Margus** Tetrahedron 2004 / p. 9081-9084

<https://www.sciencedirect.com/science/article/abs/pii/S0040402004012736>

#### **A total conformational analysis of diastereomeric esters and calculation of their conformational shielding models**

**Tamp, Sven; Danilas, Kady; Kreen, Malle; Vares, Lauri; Kiirend, Ene; Vija, Sirje; Pehk, Tõnis; Parve, Omar; Metsala, Andrus**

Journal of molecular structure : THEOCHEM 2008 / 1/3, p. 84-91 : ill

[https://www.researchgate.net/publication/244272489\\_A\\_total\\_conformational\\_analysis\\_of\\_diastereomeric\\_esters\\_and\\_calculation\\_of\\_their\\_conformational\\_shielding\\_models](https://www.researchgate.net/publication/244272489_A_total_conformational_analysis_of_diastereomeric_esters_and_calculation_of_their_conformational_shielding_models)

#### **Aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones on Pt/C catalyst**

**Reile, Indrek; Paju, Anne; Eek, Margus; Pehk, Tõnis; Lopp, Margus** Synlett 2008 / 3, p. 347-350 <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2008-1032056>

#### **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 / 1, p. 39-43

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

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

#### **An 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

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

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

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

#### **Application of <sup>13</sup>C-[2]- and <sup>13</sup>C-[1,2] acetate in metabolic labelling studies of yeast and insect cells**

**Paalme, Toomas; Nisamedtinov, Ildar; Abner, Kristo; Laht, Tiiu-Maie; Drews, Monika; Pehk, Tõnis** Antonie van Leeuwenhoek 2006 / 3/4, p. 443-457

#### **Aromaatsete isotsüanaatide intramolekulaarsel tsükliatsioonil tekkivate kõrvalproduktide eraldamine ja identifitseerimine**

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

#### **Asendatud (2S,2'S)-bimorfoliinide süntees**

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

#### **Asümmeetriline induktsioon Aldool-Tištsenko reaktsioonil optiliselt aktiivsete binaftoolkatalüsaatoritega**

Loog, O.; Mäeorg, U.; **Pehk, Tõnis** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 68

#### **Asümmeetriliste katalüsaatorite mõnede kiraalsete ligandide süntees**

Ilmarinen, Kaja; **Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 36-37

#### **Asymmetric induction in aldol-Tishchenko reaction with optically active binaphthol catalysts**

Loog, O.; Mäeorg, U.; **Pehk, Tõnis** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 77

#### **Asymmetric oxidation of 1,2-cyclopentanediones**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** Tetrahedron letters 2000 / 35, p. 6883-6887

#### **Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. 64

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

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2002 / p. 2439-2448

#### **Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 2, Oxidative ring cleavage of 3-alkyl-1,2-cyclopentanediones : synthesis of 2-alkyl-[gamma]-lactone acids**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lindmaa, Rasmus; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2003 / p.1565-1573

#### **Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 3, Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones : synthesis of [alfa]-hydroxy-[gamma]-lactone acids and spiro-[gamma]-dilactones**

**Paju, Anne; Kanger, Tõnis; Niitsoo, Olivia; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2003 / p. 2393-2399

#### **Asymmetric oxidation of 3-aminoethyl-1,2-cyclopentanedione : synthesis of spiro-g-lactone-g-lactam**

**Paju, Anne; Hohlova, N.; Pehk, Tõnis; Lopp, Margus** Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / p. 143

#### **Asymmetric oxidation of cyclobutanones : modification of the Sharpless catalyst**

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

#### **Asymmetric oxidation of ketones**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis; Kriis, Kadri; Ilmarinen, Kaja; Pehk, Tõnis** Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p. 124-137

#### **Asymmetric synthesis of 2-alkyl-substituted 2-hydroxyglutaric acid [gamma]-lactones**

**Paju, Anne; Laos, Marit; Jõgi, Artur; Päre, Malle; Jäälaid, Raissa; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus** Tetrahedron letters 2006 / 26, p. 4491-4493 <https://www.sciencedirect.com/science/article/pii/S004040390600726X>

#### **Asymmetric synthesis of 2-alkyl-substituted 2-hydroxyglutaric acid [gamma]-lactones: a simple access to dag-lactone template**

**Laos, Marit; Jõgi, Artur; Päre, Malle; Jäälaid, Raissa; Paju, Anne; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 108

#### **Asymmetric synthesis of 2-aryl-5-oxotetrahydrofuran-2-carboxylic acids**

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

#### **Asymmetric synthesis of 2-benzyl- and 2-benzyloxymethyl g-lactone acids**

**Laos, Marit; Jõgi, Artur; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** 14th European Symposium on Organic Chemistry (ESOC14) 2005 / p. 309

#### **Asymmetric synthesis of 4'-C-benzyl-2',3'-dideoxynucleoside analogues from 3-benzyl-2-hydroxy-2-cyclopenten-1-one**

**Jõgi, Artur; Ilves, Marit; Paju, Anne; Pehk, Tõnis; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2008 / 5, p. 628-634

#### **Asymmetric synthesis of novel C2-symmetric biformolines**

**Kanger, Tõnis; Kriis, Kadri; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2002 / p. 857-865

#### **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

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

**Kriis, Kadri; Kanger, Tõnis; Laars, Marju; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 104

#### **Bimorpholine-mediated enantioselective intramolecular and intermolecular aldol condensation**

**Kanger, Tõnis; Kriis, Kadri; Laars, Marju; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Journal of organic chemistry 2007 / p. 5168-5173 <https://pubs.acs.org/doi/10.1021/jo070524i>

#### **Bitsüklo[3.3.0]oktanooni derivaatide süntees**

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

#### **C2-symmetric enantiomeric heterocycles : synthesis and application**

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

#### **Carboxymethylated beta-cyclodextrin**

**Kreen, Malle; Köstner, Ado; Pehk, Tõnis** Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 36

#### **Catalytic asymmetric synthesis of g-lactone acids**

**Paju, Anne; Niidu, Allan;** Lumi, Priit; Matkevits, Katharina; Oja, Karolin; **Pehk, Tõnis; Lopp, Margus** Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 2010

#### **Catalytic reduction of sterols**

Eek, Margus; Allikmaa, Veiko; **Pehk, Tõnis; Lopp, Margus** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 17

#### **Changes in chemical structure of urea-formaldehyde condensates during synthesis**

**Siimer, Kadri; Pehk, Tõnis; Christjanson, Peep** International Conferences on Polymer Characterization : POLYCHAR-7, January 5-8, 1999 & Short course, January 4, 1999, Denton, USA : program and book of abstracts 1999 / p. P-10

#### **Changes in curing behaviour of aminoresins during storage**

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis** Journal of thermal analysis and calorimetry 2005 / p. 123-130 : ill <https://link.springer.com/article/10.1007/s10973-005-0623-8>

#### **Changes in curing behaviour of aminoresins during storage**

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis** ICTAC 13 : 13th International Congress on Thermal Analysis and Calorimetry : XXVI Conference AICAT-GICAT : Chia Laguna, September 12-19, 2004 : book of abstracts 2004 / p. 85 <https://link.springer.com/article/10.1007/s10973-005-0623-8>

#### **Characterisation of ageing of melamine-formaldehyde resins by NMR spectroscopy**

**Siimer, Kadri; Pehk, Tõnis; Suurpere, Aime** Nordic Polymer Days 2000 : Helsinki, 24-26 May 2000 2000 / [1] p

#### **Characterization of urea-formaldehyde condensation by <sup>13</sup>C NMR spectroscopy**

**Siimer, Kadri; Pehk, Tõnis; Christjanson, Peep** Stambiamolekuliu junginiu chemija ir technologija = Polymer chemistry and technology : konferencijos pranešimu medžiaga 1999 / p. 61-66: ill

#### **Chemical structure of melamine-formaldehyde resins**

**Pehk, Tõnis; Christjanson, Peep; Siimer, Kadri** Polychar World Forum on Polymer Applications and Theory : POLYCHAR-9, January 9-12, 2001 & short course January 8, 2001, University of North Texas, Denton, USA : program and book of abstracts 2001 / p. P-70

#### **Chemical versus enzymatic acetylation of [alfa]-bromo-[omega]-hydroxyaldehydes : decyclization of hemiacetals by lipase**

Villo, Ly; **Metsala, Andrus; Parve, Omar; Pehk, Tõnis** Tetrahedron letters 2002 / p. 3203-3207

#### **A chemoenzymatic stereoselective synthesis of deoxy sugar esters of amino acids**

**Villo, Ly; Pehk, Tõnis; Parve, Omar** Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 2010 / p. ?

#### **A chemoenzymatic synthesis of a deoxy sugar ester of N-Boc-protected L-tyrosine**

**Villo, Ly; Kreen, Malle; Kudrjašova, Marina; Metsala, Andrus; Tamp, Sven; Lille, Ülo; Pehk, Tõnis; Parve, Omar** Practical methods for biocatalysis and biotransformations. 2 2012 / p. 335-339 <https://www.sciencedirect.com/science/article/pii/S1381117710002511>

#### **Colloid food additives from red and brown algae of the Baltic Sea : structure and rheology**

Vaher, Merike; Truus, Kalle; **Menert, Anne; Pehk, Tõnis** 1st Nordic-Baltic Meeting on Surface and Colloid Science : August 21-25, 1999, Vilnius, Lithuania : program and abstracts 1999 / p. 77

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

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

**A comparative study of the synthesis of C<sub>2</sub>-symmetric chiral 2,2'-biaziridinyls of 3-alkyl-1,2-cyclopentanediones**  
**Kanger, Tõnis; Ausmees, Kerti; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Synlett 2003 / p. 1055-1057  
<https://doi.org/10.1055/s-2003-39303>

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

**Complex investigation of composition of the brown alga *Fucus vesiculosus* (The Baltic Sea) by different instrumental methods**

**Vaher, Merike; Truus, Kalle; Koel, Mihkel; Pehk, Tõnis; Taure, Imants; Viitak, Anu** IMA'03 : 3rd International Conference : Instrumental Methods of Analysis Modern Trends and Applications : 23-27 September 2003, Thessaloniki, Greece : conference proceedings 2003 / p. 238-240 : ill

**Composition and structure of summary polysaccharide from the red alga *Furcellaria lumbricalis***

**Vaher, Merike; Truus, Kalle; Taure, Imants; Leito, Ivo; Lahe, Lilja; Kallavus, Urve; Pehk, Tõnis** Proceedings of the Estonian Academy of Sciences. Chemistry 1998 / 2, p. 51-59: ill

**A convenient method for the construction of the imidazolone ring in the synthesis of benzamidine derivatives**

**Allikmaa, Veiko; Eek, Margus; Pehk, Tõnis; Lopp, Margus** Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p. 180-185

**Crucial gel-forming processes of red algal galactans [Electronic resource]**

**Tuvikene, Rando; Truus, Kalle; Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis** World Polymer Congress : 41st International Symposium on Macromolecules : MACRO 2006 : 16-21 July 2006, Rio de Janeiro, Brazil 2006 / [CD-ROM]

**Cure-accelerated phenol-formaldehyde resins**

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Saks, Imre** Kemian Päivat = Kemidagarna = Finnish Chemical Congress : 27.-29.3.2007 : abstraktid = abstracts 2007 / p. 38

**Curing behaviour of resol phenol-formaldehyde resins**

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Saks, Imre** Baltic Polymer Symposium 2007 : Druskininkai, Lithuania, September 19-21, 2007 : programme and book of abstracts 2007 / p. 131

**Curing behaviour of urea-modified phenol-formaldehyde resin**

**Siimer, Kadri; Süld, Tiia-Maaja; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis** Book of abstracts of the Polymer Processing Society 9th Annual Meeting PPS-09 : Larnaca, Cyprus, October 18-21, 2009 2009 / p. P-190

**Derivatisation of Grieco lactone**

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

**Determination of isotope effects on acid-base equilibria by <sup>13</sup>C NMR spectroscopy**

**Pehk, Tõnis; Kiirend, E.; Lippmaa, Endel; Ragnarsson, U.; Grehn, L.** Journal of the Chemical Society. Perkin transactions 1997 / 2, p. 445-450

**Diastereoselektiivne multikomponentne kaskaadreaktsioon**

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

**Direct asymmetric [alfa]-hydroxylation of 2-hydroxymethyl ketones**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** Tetrahedron 2002 / p. 7321-7326

**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis** Tetrahedron letters 1997 / 28, p. 5051-5054

**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 79

**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**

**Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus** OMCOS 9 : 9th IUPAC Symposium Organometallic Chemistry, directed towards organic synthesis : final program 1997 / p. 373

## Eesti karbamiidvaigud

**Siimer, Kadri; Saks, Imre; Christjanson, Peep; Pehk, Tõnis; Suurpere, Aime; Kaljuvee, Tiit** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 101-102

## Effect of alkylresorcinols on curing behaviour of phenol-formaldehyde resins

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Saks, Imre** ESTAC 9 : 9th European Symposium on Thermal Analysis and Calorimetry : 27-31 August 2006, Krakow, Poland : [book of abstracts] 2006 / p. 165

## Effect of alkylresorcinols on curing behaviour of phenol-formaldehyde resol resin

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Saks, Imre** Journal of thermal analysis and calorimetry 2008 / 2, p. 365-373 : ill

## Effect of alkylresorcinols on curing behaviour of phenol-formaldehyde resol resin

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Saks, Imre** Journal of thermal analysis and calorimetry 2007 / [9] p. : ill

## Effect of the chiral catalyst in asymmetric Baeyer-Villiger oxidation of cyclic ketones

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

## Ekstraktsioon ja keemiline töötlus kõrgekvaliteetsete karraginaanide saamiseks

**Tuvikene, Rando; Robal, Marju; Ikart, A.-L.; Truus, K.; Mellikov, Enn; Pehk, Tõnis** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 169-170

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

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

## Enantioselective synthesis of Wieland-Miescher ketone through biomorpholine-catalyzed organocatalytic aldol condensation

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

## Endel Lippmaa 70

**Pehk, Tõnis** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2000 / p. 193-195

## 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

## 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

## Etüleendiamiin (EDA) tuumaga polüamidoamiin (PAMAM) dendrimeeride erinevate põlvkondade analüüs MALDI-TOF MS

**Peterson, J.; Allikmaa, Veiko; Subbi, J.; Pehk, Tõnis; Lopp, Margus** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 110-111

## Etüleendiamiin (EDA) tuumaga polüamidoamiin (PAMAM) dendrimeeride erinevate põlvkondade analüüs MALDI-TOF MS, CZE ja <sup>13</sup>C NMR meetoditega

**Peterson, J.; Allikmaa, Veiko; Ebber, Arkadi; Subbi, J.; Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 131

## Etüül 3-[[[(1-(4-(aminoiminometüül)fenüül)-4,5-dihüdro-2(3H)okso-1H-imidasool-3-üül)karbonüül]-amino]-propanoadi süntees

**Allikmaa, Veiko; Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 14-15

## 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)

## Fragmentation of PAMAM dendrimers in methanol

**Peterson, Janek; Allikmaa, Veiko; Pehk, Tõnis; Lopp, Margus** Proceedings of the Estonian Academy of Sciences. Chemistry 2001

### General approach to measurements of pKa differences by C NMR spectroscopy

**Pehk, Tõnis**; Kiirend, E.; Lippmaa, Endel; Ragnarsson, U. Journal of the Chemical Society. Perkin transactions 1996 / 2, p. 2351-2367

### Hydroxymethylation and polycondensation reactions in urea-formaldehyde resin synthesis

**Christjanson, Peep; Pehk, Tõnis; Siimer, Kadri** Journal of applied polymer science 2006 / p. 1673-1680 : ill  
[https://www.researchgate.net/publication/230275426\\_Hydroxymethylation\\_and\\_polycondensation\\_reactions\\_in\\_urea-formaldehyde\\_resin\\_synthesis](https://www.researchgate.net/publication/230275426_Hydroxymethylation_and_polycondensation_reactions_in_urea-formaldehyde_resin_synthesis)

### Industrial exploitation of the algal stratum from Kassari Bay (the Baltic Sea, Estonia)

Vaher, M.; Truus, Kalle; Sarapuu, M.; Pehk, Tõnis; Kukk, H.; Kollist, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 158

### Inglise-eesti-vene keemia sõnaraamat

1998 [https://www.ester.ee/record=b1190326\\*est](https://www.ester.ee/record=b1190326*est)

### Intramolecular SN1 ring-opening reaction of oxirane

**Martin, Ivar; Aav, Riina; Pehk, Tõnis**; Claesson, Alf 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 44

### Investigation of kukersite structure using NMR and oxidative cleavage : on the nature of phenolic precursors in the kerogen of Estonian kukersite

**Lille, Ülo**; Heinmaa, I.; Müürisepp, Aleksander-Mati; Pehk, Tõnis Oil shale 2002 / 2, p. 101-116 : ill  
[https://www.researchgate.net/publication/288156758\\_Investigation\\_of\\_kukersite\\_structure\\_using\\_NMR\\_and\\_oxidative\\_cleavage\\_On\\_the\\_nature\\_of\\_phenolic\\_precursors\\_in\\_the\\_kerogen\\_of\\_Estonian\\_kukersite](https://www.researchgate.net/publication/288156758_Investigation_of_kukersite_structure_using_NMR_and_oxidative_cleavage_On_the_nature_of_phenolic_precursors_in_the_kerogen_of_Estonian_kukersite)

### Investigation of the synthesis of hydroxylated cyclopentanediones

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

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

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

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

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

### 2-metüül-3-tsüano-tsükloheks-2-een-1-ooni süntees

**Niidu, Allan; Maasalu, A.; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 113

### 2-metüülasetatid allüül derivaatide süntees

Lääts, K.; Pehk, Tõnis; Schmidt, M.; Heinväli, M. XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 76-78: ill

### 2-metüül-pentaan-2,4-diooli dehüdratatsioon

Lääts, K.; Pehk, Tõnis XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 75-76

### Kaugmõju efektid karboksüülhapete ja nende derivaatide 13C TMR spektrites

**Pehk, Tõnis** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 101

### Keemianomenklatuur

Tuulmets, Ants 2000

### Kiraalsete C2-sümmeetriliste bisasiridiinide süntees

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

### 3-alküül-1,2-tsüklopentaandioonide asümmeetriline oksüdatsioon

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

### 3-bensüül-2-hüdroksü-2-tsüklopenteen-1-ooni süntees ja selle asümmeetriline oksüdatsioon

**Jõgi, Artur; Ilves, M.; Paju, Anne; Pehk, Tõnis; Lopp, Margus** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 23-24

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

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

### **3-hüdroksümetüül-1,3,6-heksaantriooli asümmeetriline süntees ja titaanikompleksi valmistamine**

**Päri, Malle; Paju, Anne; Pehk, Tõnis; Lopp, Margus** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 92-93

### **Käeliste tetrahüdrofuraani analoogide süntees**

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

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

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

### **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 enantioselective hydrolysis : interpretation of the kinetic results in terms of frontier orbital localisation**

Parve, Omar; **Vallikivi, Imre;** Metsala, Andrus; **Lille, Ülo;** Tõugu, Vello; Sikk, Peeter; **Käämbre, Tuuli;** Vija, Heiki; **Pehk, Tõnis** Tetrahedron 1997 / 13, p. 4889-4900

### **Lipase-catalysed enantioselective hydrolysis of bicyclo[3.2.0]heptanol esters in supercritical carbon dioxide**

Parve, Omar; **Vallikivi, Imre;** Lahe, Lilja; Metsala, Andrus; **Lille, Ülo;** Tõugu, Vello; Vija, Heiki; **Pehk, Tõnis** Bioorganic & medicinal chemistry letters 1997 / 7, p. 811-816

### **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]

### **Läänemere vetikaplasi töenduslik kasutamine**

Vaher, M.; Truus, Kalle; **Sarapuu, M.; Pehk, Tõnis;** Kukk, H.; Kollist, A. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 150

### **Manufacture of particleboards using melamine-urea-formaldehyde resins**

**Siimer, Kadri; Pehk, Tõnis; Kaljuvee, Tiit;** Lasn, Ilmar; Peterson, Aleksander Polimeru chemija, fizika ir tehnologija = Polymer chemistry, physics and technology : konferencijos pranešimu medžiaga 2000 / p. 47-50 : ill

### **Manufacturing and characterisation of Estonian urea-formaldehyde resins**

**Siimer, Kadri; Christjanson, Peep; Kaljuvee, Tiit; Suurpere, Aime; Pehk, Tõnis;** Saks, Imre; Lasn, Ilmar Scientific proceedings of Riga Technical University. Serija 1, Material science and applied chemistry 2007 / p. 48-55

### **Mechanism of the asymmetric oxidation of cyclopentane-1,2-diones**

**Reile, Indrek; Paju, Anne; Pehk, Tõnis; Lopp, Margus** Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / p. 155

### **Melamiinformaldehüüd-immutusvaigud**

**Siimer, Kadri; Pehk, Tõnis;** Vetik, Ü.; **Suurpere, Aime** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 133-134

### **Melamiin-karbamiid-formaldehüüdvaikude kõvenemisprotsessi uurimine**

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis;** Lasn, Ilmar; Saks, Imre XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 151-152

### **Melamine-urea-formaldehyde resins for particleboards**

**Siimer, Kadri; Pehk, Tõnis;** Lasn, Ilmar; Peterson, Aleksander Nordic Polymer Days 1999 : Copenhagen, 31. May - 2. June 1999 1999 / p. P9

### **Mild oxidation of substituted bicyclo[4.4.0]dec-10-en-3-one**

**Aav, Riina; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** 9th Meeting on Stereochemistry : Prague, Czech Republic, June 15-18, 2001 : book of abstracts 2001 / p. 95

**Molecular model of Estonian kukersite kerogen evaluated by <sup>13</sup>C MAS NMR spectra**

**Lille, Ülo; Heinmaa, I.; Pehk, Tõnis** Fuel 2003 / p. 799-804 : ill <https://www.sciencedirect.com/science/article/pii/S0016236102003587>

**MPA in the determination of the absolute configuration of vicinal diols by NMR spectroscopy**

**Ilmarinen, Kaja; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : June 27-July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 87

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

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

**4-metüül-5,6-dekaandiooni süntees**

**Lüll, M.; Paju, Anne; Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 89-90

**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

**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

**A novel diastereoselective multicomponent cascade reaction**

**Kriis, Kadri; Ausmees, Kerti; Pehk, Tõnis; Lopp, Margus; Kanger, Tõnis** Organic letters 2010 / p. 2230-2233  
<https://doi.org/10.1021/ol1005714>

**Os-catalyzed dihydroxylation : an efficient method for desymmetrization of 2-allyl-2-methyl-1,3-cyclopentanedione**

**Raudla, Kristin; Lopp, Margus; Aav, Riina; Kanger, Tõnis; Pehk, Tõnis** OMCOS 13 : 13th IUPAC International Symposium on Organometallic Chemistry directed towards Organic Synthesis : 17-21 July 2005, Geneva Switzerland : book of abstracts 2005 / p. P-478

**Otsene beeta-hüdroksüketoonide asümmeetriline alfa-hüdroksüleerimine**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 70

**Oxidation of 3-alkyl-1,2-cyclopentanediones : synthesis of lactone acids and spirodilactones**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis** 13th European Symposium on Organic Chemistry : September 10-15, 2003, Cavtat-Dubrovnik, Croatia : programme and abstracts 2003 / p. 101

**Oxidation of cyclobutanones with the modified Sharpless catalyst**

**Kanger, Tõnis; Kriis, Kadri; Paju, Anne; Pehk, Tõnis; Lopp, Margus** OMCOS 9 : 9th IUPAC Symposium on Organometallic Chemistry, directed towards organic synthesis : final program 1997 / p. 362

**Oxidation of cyclobutanones with the modified Sharpless catalyst**

**Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 62

**Oxidation of cyclobutanones with the modified sharpless catalyst. 2, Effect of chiral ligand**

**Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 32

**Oxidation of cyclopentane-1,2-dione: a study with <sup>18</sup>O labeled reagents**

**Reile, Indrek; Paju, Anne; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Tetrahedron 2011 / p. 5942-5948

**Oxidation of cyclopentanediones**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** 11th European Symposium on Organic Chemistry : Göteborg, Sweden, July 23-28, 1999 : programme and abstracts 1999 / p. P102

**Oxidation of cyclopentanediones**

**Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 53

### Oxidation of substituted bicyclo[4.4.0]decen-3-ones

Aav, Riina; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p. 138-146 [https://artiklid.elnet.ee/record=b1007942\\*est](https://artiklid.elnet.ee/record=b1007942*est)

### Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones : synthesis of 4-hydroxy-[??]-lactone acids and spiro-[??]-dilactones

Paju, Anne; Kanger, Tõnis; Niitsoo, Olivia; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A73

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

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 21-22

### 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

### 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)

### Prediction and assignment of coupling constants of diastereomeric cyclopentane derivatives

Aav, Riina; Pehk, Tõnis; Tamp, Sven; Tamm, Toomas; Kudrjašova, Marina; Parve, Omar; Lopp, Margus Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 / p. 47

### Preparation of highly enantiopure stereoisomers of 1-(2,6-dimethylphenoxy)-2-aminopropane (mexiletine)

Aav, Riina; Parve, Omar; Pehk, Tõnis; Claesson, Alf; Martin, Ivar Tetrahedron : asymmetry 1999 / p. 3033-3038

### 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 reaktsioonid ja molekulaarmodelleerimine *Candida antarctica* lipaas B aktiivtsentris

Vallikivi, Imre; Pehk, Tõnis; Fransson, Linda; Hult, Karl; Parve, Omar XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 155-156

### Pruunvetikate *Fucus vesiculosus* ja neist eraldatud alginaatide kompleksuuring

Truus, Kalle; Vaher, Merike; Saal, K.; Lõhmus, A.; Pehk, Tõnis XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 145

### Quantum chemical evaluation of the yield of hydroxybenzophenones in the Fries rearrangement of hydroxyphenyl benzoates

Metsala, Andrus; Usin, Eve; Vallikivi, Imre; Villo, Ly; Pehk, Tõnis; Parve, Omar Journal of molecular structure : THEOCHEM 2004 / p. 215-221 : ill <https://www.sciencedirect.com/science/article/pii/S016612800400750X>

### Rearrangement of 1,4-dihydroxy-2-cyclopentenes

Allikmaa, Veiko; Paju, Anne; Pehk, Tõnis; Öpik, Andres; Lopp, Margus International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. 31

### Red algal galactans: nature-reserving isolation, analysis and possible applications in nanotechnology

Tuvikene, Rando; Truus, Kalle; Kallavus, Urve; Vaher, Merike; Pehk, Tõnis Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 120 : ill

### Regio- and stereoselective synthesis of chiral dihydroxyketones

Niidu, Allan; Paju, Anne; Eek, Margus; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A70

### Remote activation of the nucleophilicity of isatin

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

**Resool-tüüpi fenool-formaldehüüdvaikude struktuuri tekkemehhanismi uurimine leelise sisalduse muutumisel**  
**Paju, Jane; Pehk, Tõnis; Christjanson, Peep** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 109-110

**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

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

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

**Stereoselective synthesis of 1-methyl-1,2-and 1,3-cyclopentanediois 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

**Structural and compositional characteristics of gelling galactan from the red alga *Ahnfeltia tobuchiensis* (Ahnfeltiales, the sea of Japan)**

Truus, Kalle; Tuvikene, Rando; Vaher, Merike; Kailas, Tiiu; Toomik, Peeter; Pehk, Tõnis Carbohydrate polymers 2005 / [6] p. : ill. [ilmumas?]

[https://www.researchgate.net/publication/229420426\\_Structural\\_and\\_compositional\\_characteristics\\_of\\_gelling\\_galactan\\_from\\_the\\_red\\_alga\\_Ahnfeltia\\_tobuchiensis\\_Ahnfeltiales\\_the\\_Sea\\_of\\_Japan](https://www.researchgate.net/publication/229420426_Structural_and_compositional_characteristics_of_gelling_galactan_from_the_red_alga_Ahnfeltia_tobuchiensis_Ahnfeltiales_the_Sea_of_Japan)

**Structural and compositional characteristics of gelling galactan from the red alga *Ahnfeltia tobuchiensis* (Ahnfeltiales, the Sea of Japan)**

Truus, Kalle; Tuvikene, Rando; Vaher, Merike; Kailas, Tiiu; Toomik, Peeter; Pehk, Tõnis Carbohydrate polymers 2006 / p. 130-135 : ill [https://www.sciencedirect.com/translate/goog/science/article/abs/pii/S0144861705003759?\\_x\\_tr\\_sl=en&\\_x\\_tr\\_tl=et&\\_x\\_tr\\_hl=et&\\_x\\_tr\\_pto=sc](https://www.sciencedirect.com/translate/goog/science/article/abs/pii/S0144861705003759?_x_tr_sl=en&_x_tr_tl=et&_x_tr_hl=et&_x_tr_pto=sc)

**Structural changes in melamine - formaldehyde resins during storage**

**Siimer, Kadri; Suurpere, Aime; Pehk, Tõnis** Polimeru chemija, fizika ir tehnologija = Polymer chemistry, physics and technology : konferencijos pranešimu medžiaga 2000 / p. 51-54 : ill

**Structural changes in urea-formaldehyde resins during storage**

**Christjanson, Peep; Siimer, Kadri; Pehk, Tõnis;** Lasn, Ilmar Holz als Roh- und Werkstoff 2002 / p. 379-384

**Structural changes of starch during baking and staling of rye bread**

**Mihhalevski, Anna; Heinmaa, Ivo; Traksmäa, Rainer; Pehk, Tõnis; Mere, Arvo; Paalme, Toomas** Journal of agricultural and food chemistry 2012 / p. 8492-8500 : ill <https://pubs.acs.org/doi/10.1021/jf3021877>

**Structural constraints for C<sub>2</sub>-symmetric heterocyclic organocatalysts in asymmetric aldol reactions**

**Laars, Marju; Kriis, Kadri; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus** Tetrahedron : asymmetry 2008 / p. 641-645 [https://www.researchgate.net/publication/244242681\\_Structural\\_constraints\\_for\\_C\\_2-symmetric\\_heterocyclic\\_organocatalysts\\_in\\_asymmetric\\_aldol\\_reactions](https://www.researchgate.net/publication/244242681_Structural_constraints_for_C_2-symmetric_heterocyclic_organocatalysts_in_asymmetric_aldol_reactions)

**Structural deviations in poly(amidoamine) dendrimers : a MALDI-TOF MS analysis**

**Peterson, Janek; Allikmaa, Veiko;** Subbi, J.; Pehk, Tõnis; Lopp, Margus European polymer journal 2003 / p. 33-42 : ill

**Structuration process of urea-formaldehyde resins during storage**

**Christjanson, Peep; Siimer, Kadri; Pehk, Tõnis** POLYCHAR World Forum on Polymer Applications and Theory : POLYCHAR-10, January 8-11, 2002 & Short Course, January 7, 2002 : program and book of abstracts 2002 / p. 85

**Structure and curing mechanism of resol phenol-formaldehyde prepolymer resins**

**Christjanson, Peep; Pehk, Tõnis;** Paju, Jane Proceedings of the Estonian Academy of Sciences 2010 / 3, lk. 225-232 : ill

**Structure and thermal stability of pyruvated carrageenans from the red alga *Coccolytus truncatus***

Tuvikene, Rando; Truus, Kalle; Robal, Marju; Pehk, Tõnis; Kailas, Tiiu; Vaher, Merike; Paalme, Tiina Carbohydrate research 2009 / p. 788-794 : ill <https://www.sciencedirect.com/science/article/pii/S0008621509000366>

**Structure formation in urea-formaldehyde resin synthesis**

**Christjanson, Peep; Pehk, Tõnis; Siimer, Kadri** Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 4, p. 212-225 : ill

**Structure of modern urea-formaldehyde resins**

**Siimer, Kadri; Pehk, Tõnis;** Pihlapuu, U. 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 67

**Structure of phenol-formaldehyde polycondensates**

**Paju, Jane; Pehk, Tõnis; Christjanson, Peep** Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 45-52

#### **Structure of polycondensates from hydroxymethylphenols**

**Christjanson, Peep; Pehk, Tõnis; Siimer, Kadri; Paju, Jane** Journal of applied polymer science 2008 / 2, p. 1226-1234 : ill  
[https://www.researchgate.net/publication/243894123\\_Structure\\_of\\_polycondensates\\_from\\_hydroxymethylphenols](https://www.researchgate.net/publication/243894123_Structure_of_polycondensates_from_hydroxymethylphenols)

#### **Structure of polycondensates from hydroxymethylphenols**

**Christjanson, Peep; Pehk, Tõnis; Siimer, Kadri; Paju, Jane** Journal of applied polymer science 2007 / 2, p. 1226-1234

#### **Studies on the structure of melamine-formaldehyde condensates by <sup>13</sup>C NMR spectroscopy**

**Siimer, Kadri; Pehk, Tõnis; Christjanson, Peep** Abstracts of Finnish Chemical Congress and Exhibition 2000 / p. 16

#### **Study of the structural changes in urea-formaldehyde condensates during synthesis**

**Siimer, Kadri; Pehk, Tõnis; Christjanson, Peep** Macromolecular symposia 1999 / December, 7th International Conference on Polymer Characterization (POLYCHAR-7), p. 149-156 : ill

#### **Suurendatud niiskuskindlusega puitlaastplaatide valmistamine**

**Siimer, Kadri; Pehk, Tõnis; Kaljuvee, Tiit; Lasn, Ilmar; Peterson, Aleksander** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 160-161

#### **Synthesis and antiproliferative activity of 15-oxoprostaglandins : contribution of the W-chain enone group to cytotoxicity**

**Lopp, Margus; Lopp, Annika; Paju, Anne; Lille, Ülo; Pehk, Tõnis** Bioorganic & medicinal chemistry letters 1994 / 14, p. 1739-1744: ill

#### **Synthesis and derivatization of bis-nor Wieland-Miescher ketone**

**Kanger, Tõnis; Raudla, Kristin; Aav, Riina; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Synthesis 2005 / p. 3147-3151

#### **Synthesis and MALDI TOF characterization of EDA core-polyamidoamine (PAMAM)- dendrimers by MALDI-TOF MS analysis**

**Peterson, Janek; Allikmaa, Veiko; Subbi, Juhan; Suurpere, Jaak; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. [65]

#### **Synthesis and quantitative analysis of diastereomeric linked ester conjugates with remote stereocenters using high field NMR and chiral HPLC**

**Doyle, Eva; Parve, Jaan; Kudrjašova, Marina; Tamp, Sven; Müürisepp, Aleksander-Mati; Villo, Ly; Vares, Lauri; Pehk, Tõnis; Parve, Omar** Chirality 2013 / p. 793-798 : ill

#### **Synthesis of 1-methylbicyclo[3.3.0]octane-3,4,8-trione**

**Raudla, Kristin; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : June 27-July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 122

#### **Synthesis of (2S,2'S)- and (3S,3'S)-bimorpholine**

**Kriis, Kadri; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : BOS 2002, Vilnius 2002 / p. P036

#### **Synthesis of (2S,2'S)-and (3R,3'R)-bimorpholine**

**Kriis, Kadri; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** 9th Meeting on Stereochemistry : Prague, Czech Republic, June 15-18, 2001 : book of abstracts 2001 / p. 143

#### **Synthesis of (2s,2'S)-bimorpholine**

**Kriis, Kadri; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p. 173-179

#### **Synthesis of (2S,2'S)-bimorpholine N,N'-quaternary salts as chiral phase transfer catalysts**

**Lippur, Kristin; Kanger, Tõnis; Kriis, Kadri; Kailas, Tiit; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Tetrahedron: asymmetry 2007 / p. 137-141

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

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

#### **Synthesis of 3-hydroxymethyl-1,3,6-hexanetriol from chiral spirodilactone**

**Päri, Malle; Lüll, M.; Paju, Anne; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June

**Synthesis of 3-phenyl-2-hydroxy-2-cyclopenten-1-ones and their asymmetric oxidation**

**Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Kailas, Tiiu; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 100

**Synthesis of 4'-aryl-2',3'-dideoxynucleoside analogues**

**Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron 2009 / p. 2959-2965

**Synthesis of 4'-substituted 2',3'-dideoxynucleoside analogues**

**Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Lopp, Margus** Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / p. 97

**Synthesis of 5,5'-disubstituted biomorpholines**

**Lippur, Kristin; Elmers, Cindy; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus** Synthetic communications 2009 / p. 1-16

**Synthesis of antithrombotic diamine**

**Peterson, Jaak; Allikmaa, Veiko; Pehk, Tõnis; Lopp, Margus** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 56

**Synthesis of bensofuroxan-4-carboxylic acid**

Schmidt, M.; Eek, Margus; **Pehk, Tõnis; Lopp, Margus** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 66

**Synthesis of bicyclo[3.3.0]octanes - interdediates for substituted cyclopentanes**

**Aav, Riina; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** 15th European Symposium on Organic Chemistry : ESOC15 : 8-13 July 2007, Dublin (Ireland) : abstracts 2007 / p. 65

**Synthesis of chiral C2-symmetric bisaziridines**

**Kanger, Tõnis; Ausmees, Kerti; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : BOS 2002, Vilnius 2002 / p. P032

**Synthesis of chiral enantioenriched tetrahydrofuran derivatives**

Niidu, Allan; Paju, Anne; Müürisepp, Aleksander-Mati; Kailas, Tiiu; **Pehk, Tõnis; Lopp, Margus** Arkivoc 2009 / XIV, p. 39-52  
<https://www.arkat-usa.org/get-file/32420/>

**Synthesis of chiral epoxyalkynes**

**Kanger, Tõnis; Niidas, Piret; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Tetrahedron : asymmetry 1998 / p. 2499-2508

**Synthesis of chiral FHF-analogues**

**Niidu, Allan; Kislitsõn, Konstantin; Paju, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / ? p

**Synthesis of chiral hydroxylated cyclopentanones and cyclopentanes**

**Niidu, Allan; Paju, Anne; Eek, Margus; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** Tetrahedron : asymmetry 2006 / 18, p. 2678-2683 <https://www.sciencedirect.com/science/article/pii/S0957416606006653>

**Synthesis of deoxy sugar esters : a chemoenzymatic stereoselective approach affording deoxy sugar derivatives also in the form of aldehyde**

**Villo, Ly; Danilas, Kady; Metsala, Andrus; Kreen, Malle; Vallikivi, Imre; Vija, Sirje; Pehk, Tõnis; Luciano, Saso; Parve, Omar** Journal of organic chemistry 2007 / p. 5813-5816 <https://pubs.acs.org/doi/10.1021/jo062640b>

**A synthesis of deoxy sugar esters. Stereoselective acetylation of hemiacetals by CALB**

**Villo, Ly; Metsala, Andrus; Tamp, Sven; Pehk, Tõnis; Parve, Omar** Biotrans 2011 : Itaalia, Giardini Naxos, 02.-05.10.2011 2011

**Synthesis of N,N'-disubstituted (2S,2'S)-bimorpholine**

**Raudla, Kristin; Kanger, Tõnis; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 138

**Synthesis of new N,N,N',N'-tetrasubstituted derivatives of R,R-tartaric acid**

**Ilmarinen, Kaja; Allikmaa, Veiko; Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 97

**Synthesis of new N-tetrasubstituted derivatives of R,R-tartaric acid and their use as chiral ligands in oxidation catalysts**  
Ilmarinen, Kaja; Kriis, Kadri; Paju, Anne; **Pehk, Tõnis; Lopp, Margus** Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p. 147-155

**Synthesis of novel acyclic nucleoside analogues**

**Päri, Malle; Paju, Anne; Pehk, Tõnis;** Siirde, K.; **Lopp, Margus** Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / p. 145

**Synthesis of novel acyclic nucleoside analogues with anti-retroviral activity**

**Paju, Anne; Päri, M.;** Selyutina, Anastasia; Žusinaite, Eva; Merits, Andres; **Pehk, Tõnis;** Siirde, Kaarel; **Müürisepp, Aleksander-Mati; Kailas, Tiiu; Lopp, Margus** Nucleosides, nucleotides and nucleic acids 2010 / 9, p. 707-720

**Synthesis of substituted cyclopentanones from 2-oxabicyclo[3.3.0]oct-6-en-3-one**

**Aav, Riina; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** Proceedings of the Estonian Academy of Sciences. Chemistry 2007 / 1, p. 3-13

**Synthesis of the 9,11-secosterol from ergosterol**

Jäälaid, Raissa; **Pehk, Tõnis; Lille, Ülo** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 24

**Synthesis of the AB-ring of 9,11-secosterol**

**Aav, Riina; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** 11th European Symposium on Organic Chemistry : Göteborg, Sweden, July 23-28, 1999 : programme and abstracts 1999 / p. P1

**Synthesis of the AB-ring of 9,11-secosterols**

**Aav, Riina; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus** Synlett 2000 / No. 4, p. 529-531  
[https://www.researchgate.net/publication/228068773\\_Synthesis\\_of\\_the\\_AB-Ring\\_of\\_911-Secosterols](https://www.researchgate.net/publication/228068773_Synthesis_of_the_AB-Ring_of_911-Secosterols)

**Synthesis of vicinal amino alcohols from tartaric ester**

Ausmees, Kerti; Kulper, Kärt; **Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : June 27- July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 54

**TG-DTA study of melamine-urea-formaldehyde resins**

**Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis;** Lasn, Ilmar; Saks, Imre Book of abstracts : MEDICTA 2007 : the 8th Mediterranean Conference on Calorimetry and Thermal Analysis : September 25th - September 29th, 2007, Palermo, Italy 2007 / p. 180 <https://link.springer.com/content/pdf/10.1007/s10973-007-8721-4.pdf>

**TG-DTA study of melamine-urea-formaldehyde resins**

**Siimer, Kadri; Christjanson, Peep; Kaljuvee, Tiit; Pehk, Tõnis;** Lasn, Ilmar; Saks, Imre Journal of thermal analysis and calorimetry 2008 / 1, p. 19-27 : ill

**The addition of sulfur dichloride to bicyclo[2.2.1]hept-2-ene and to bicyclo[2.2.2]oct-2-ene**

Bobylova, A.A.; Anfilogova, S.N.; Belikova, N.A.; **Pehk, Tõnis;** Anisimov, A.V. Sulfur letters 1999 / 2, p. 51-55

**The extraction, structure, and gelling properties of hybrid galactan from the red alga Furcellaria lumbricalis (Balti Sea, Estonia)**

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis;** Kollist, Andres; **Kailas, Tiiu; Vaher, Merike** Journal of applied phycology 2009 / [13] p.: ill <https://link.springer.com/article/10.1007/s10811-009-9425-x>

**The extraction, structure, and gelling properties of hybrid galactan from the red alga Furcellaria lumbricalis (Baltic Sea, Estonia)**

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis;** Kollist, Andres; **Kailas, Tiiu; Vaher, Merike** Journal of applied phycology 2010 / p. 51-63 : ill

**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

**The synthesis of 4'-substituted nucleoside analogues and their biological activity**

**Jõgi, Artur; Jäälaid, Raissa; Paju, Anne; Pehk, Tõnis; Lopp, Margus** Program and abstracts : BOS 2010 International

**The tetrahydropyranyl-protected mandelic acid : a novel versatile chiral derivatising agent**

Parve, Omar; Aidnik, Madis; Lille, Ülo; Martin, Ivar; Vallikivi, Imre; Vares, Lauri; Pehk, Tõnis Tetrahedron : asymmetry 1998 / p. 885-896 : ill

**The use of long range effects in <sup>13</sup>C NMR spectra of carboxylic acids and their derivatives**

Pehk, Tõnis 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 111

**Thermal behaviour of hydroxymethyl compounds as models for adhesive resins**

Siimer, Kadri; Christjanson, Peep; Kaljuvee, Tiit; Pehk, Tõnis; Saks, Imre Journal of thermal analysis and calorimetry 2009 / p. 459-466 : ill

**Thermal behaviour of hydroxymethyl compounds as models for adhesive resins [Electronic resource]**

Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis; Saks, Imre 14th International Congress on Thermal Analysis and Calorimetry . VI Brazilian Congress on Thermal Analysis and Calorimetry : September 14-18, 2008, Sao Pedro, Brazil 2008 / p. D-06 [CD-ROM]

**Thermal behaviour of melamine-modified urea-formaldehyde resins**

Siimer, Kadri; Kaljuvee, Tiit; Pehk, Tõnis; Lasn, Ilmar Journal of thermal analysis and calorimetry 2010 / 3, p. 755-762 : ill

**Thermal behaviour of melamine-urea-formaldehyde resins**

Siimer, Kadri; Süld, Tiia-Maaja; Christjanson, Peep; Kaljuvee, Tiit; Pehk, Tõnis; Lasn, Ilmar XXVIII National Conference on Calorimetry, Thermal Analysis and Chemical Thermodynamics : Milan, Italy, December 11-15, 2006 2006 / p. 90

**Thermal behaviour of stored aminoresins**

Siimer, Kadri; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis Programme and proceedings of Baltic Polymer Symposium 2004 : Kaunas, November 24-26, 2004 2004 / p. 86

**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

**3-Chlorooxindoles : versatile starting materials for asymmetric organocatalytic synthesis of spirooxindoles**

Noole, Artur; Ošeka, Maksim; Pehk, Tõnis; Ören, Mario; Järving, Ivar; Elsegood, Mark R. J.; Malkov, Andrei; Lopp, Margus; Kanger, Tõnis Advanced synthesis and catalysis 2013 / p. 829-835 : ill

**Titanium(IV) acetylacetonate xerogels for processing titania films : structure and thermal analysis [Electronic resource]**

Oja Acik, Ilona; Madarasz, Janos; Heinamaa, Ivo; Pehk, Tõnis; Tõnsuaadu, Kaia; Krunks, Malle; Pokol, György; Niinistö, Lauri 14th International Congress on Thermal Analysis and Calorimetry . VI Brazilian Congress on Thermal Analysis and Calorimetry : September 14-18, 2008, Sao Pedro, Brazil 2008 / p. OP-C06 [CD-ROM]

**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

**Tromboksaan A2 w-küllastatud 7-bitsüklo[2.2.1]heptaan-analoogide süntees**

Paju, Anne; Pehk, Tõnis; Lopp, Margus XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 101-103

**Tsükliliste ketoonide võrdlev Baeyer-Villiger'i asümmeetriline oksüdeerimine**

Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Ilmarinen, Kaja; Pehk, Tõnis; Lopp, Margus XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 58-59

**1,2-tsükloalkaandioonide asümmeetriline oksüdatsioon**

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 124-125

**Tsüklobutanoonide oksüdatsioon Sharplessi modifitseeritud reagendiga**

Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 56

**Tsüklopentaan-1,2-dioolide aeroobne oksüdeerimine tsüklopentaan-1,2-dioonideks Pt/C katalüsaatoril**

Reile, Indrek; Paju, Anne; Eek, Margus; Pehk, Tõnis; Lopp, Margus XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 130-131

### **(2'-5')-oligoadenylate synthetase in marine sponge : identification of its reaction products**

Kuusksalu, Anne; Subbi, J.; **Pehk, Tõnis**; Reintamm, Tõnu; Müller, W.E.G.; **Kelve, Merike** European journal of biochemistry 1998 / p. 420-426

### **(2'-5')-oligoadenylate system in marine sponges**

Kuusksalu, Anne; Subbi, J.; **Pehk, Tõnis**; Reintamm, Tõnu; **Kelve, Merike** European cytokine network 1998 / p. 326

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

Kriis, Kadri; **Kanger, Tõnis**; **Pehk, Tõnis**; **Lopp, Margus** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 62-63

### **Unexpected direction of the reaction of ethyl 2-(diethylphosphono)propionate with 2,2-disubstituted-1,3-cyclopentanediones**

**Aav, Riina**; **Kanger, Tõnis**; **Pehk, Tõnis**; **Lopp, Margus** International Conference on Organic Synthesis : June 27-July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 53

### **Unexpected reactivity of ethyl 2-(diethylphosphono)propionate toward 2,2-disubstituted-1,3-cyclopentanediones**

**Aav, Riina**; **Kanger, Tõnis**; **Pehk, Tõnis**; **Lopp, Margus** Phosphorus, sulfur and silicon 2005 / p. 1739-1748

### **Universaalne <sup>13</sup>C TMR spektroskoopial baseeruv meetod orgaaniliste hapete dissotsiatsioonikonstantide võrdlevaks määramiseks = An universal <sup>13</sup>C NMR method for the comparative analysis of acid-base equilibria**

**Pehk, Tõnis** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 145-146 [https://www.ester.ee/record=b1070511\\*est](https://www.ester.ee/record=b1070511*est)

### **Urea-formaldehyde resins for low formaldehyde emission particleboards**

**Siimer, Kadri**; **Kaljuvee, Tiit**; **Christjanson, Peep**; **Pehk, Tõnis**; Lasn, Ilmar; Saks, Imre PPS-24 : The Polymer Processing Society 24th Annual Meeting : June 15-19, 2008, Salerno, Italy : book of abstracts 2008 / p. II.478

### **Urea-formaldehyde resins for low formaldehyde emission particleboards [Electronic resource]**

**Siimer, Kadri**; **Kaljuvee, Tiit**; **Christjanson, Peep**; **Pehk, Tõnis**; Lasn, Ilmar; Saks, Imre PPS-24 : The Polymer Processing Society 24th Annual Meeting : June 15-19, 2008, Salerno, Italy : program and proceedings 2008 / [7] p. : ill. [CD-ROM]

### **Urea-formaldehyde resins in Estonia : manufacturing and characterisation**

**Siimer, Kadri**; **Christjanson, Peep**; **Pehk, Tõnis**; **Kaljuvee, Tiit**; **Suurpere, Aime**; O'Brock, D.; Saks, Imre; Lasn, Ilmar Baltic Polymer Symposium 2006 : September 20-22, 2006 : programme and proceedings 2006 / p. 83

### **Uued tsütotoksilised 15-oksoprostaglandiinid : süntees ja antiproliferatiivne aktiivsus inimese leukeemia K562 rakuliinil**

**Lopp, Annika**; **Paju, Anne**; **Pehk, Tõnis**; **Lopp, Margus** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 67-70

### **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**; Samei, 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)

### **Uute atsükliliste nukleosiidanalogoogide süntees**

**Päri, Malle**; **Paju, Anne**; **Pehk, Tõnis**; Siirde, K.; **Lopp, Margus** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 125-126

### **Uute N,N,N',N'-tetraasendatud R,R-viinohappe derivaatide süntees**

**Ilmarinen, Kaja**; **Allikmaa, Veiko**; Manova, A.; **Pehk, Tõnis**; **Lopp, Margus** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 40-41

### **9,11-sekosterooli AB-ringi süntees**

**Aav, Riina**; **Kanger, Tõnis**; **Pehk, Tõnis**; **Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 12-13

### **1aH-oksireno[3,4]tsüklopenta[1,2-b]furaanide diastereoisomeeride ruumilise struktuuri määramine**

**Aav, Riina**; **Pehk, Tõnis**; **Lopp, Margus** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 12-13 [https://www.ester.ee/record=b2314480\\*est](https://www.ester.ee/record=b2314480*est)

### **О химическом составе поликонденсатов резорцина и 5-метилрезорцина с N-оксиметилкапролактамом**

**Lippmaa, Helle**; **Pehk, Tõnis**; **Christjanson, Peep** Республиканская научная конференция "Фенолформальдегидные смолы и клеи на их основе" : тезисы докладов 1977 / с. 12-14 [https://www.ester.ee/record=b1301009\\*est](https://www.ester.ee/record=b1301009*est)

**Поликонденсация резорцина и 5-метилрезорцина с формальдегидом в присутствии реагентов, модифицирующих скорость реакции**

**Lippmaa, Helle; Pehk, Tõnis; Ala, M.** Международный симпозиум по макромолекулярной химии = International symposium on macromolecular chemistry, СССР, Ташкент, 17-21 окт. 1978 г. Т. 3 1978 / с. 64-65