

**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)

#### **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 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 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, Sergo; Kudrjašova, Marina; Tamp, Sven; Metsala, Andrus; Villo, Ly; Pehk, Tõnis; Jarvet, Jüri; Vares, Lauri Journal of organic chemistry 2013 / p. 12795-12801 : ill <https://doi.org/10.1021/jo402189e> Journal metrics at Scopus Article at Scopus Article at WOS Journal metrics at WOS

#### **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, Tiia; 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\\_Biomorpholine](https://www.researchgate.net/publication/239729268_Anchimeric_Assistance_in_the_Case_of_Vicinal_Dimesylate_Formation_of_Enantiomeric_or_meso_Biomorpholine)

#### **Application of $^{13}\text{C}$ -[2]- and $^{13}\text{C}$ -[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 <https://link.springer.com/article/10.1007/s10482-005-9053-7>

#### **Aromaatsete isotsüanaatide intramolekulaarsel tsüklisatsioonil tekivate kõvalproduktide eraldamine ja identifitseerimine**

Schmidt, M.; Eek, Margus; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus XXV Eesti keemiatädi : 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, Tiia; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis XXX Eesti keemiatädi : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 82-83

#### **Asümmeetiline induktsioon Aldol-Tishchenko reaktsioonil optiliselt aktiivsete binaftoolkatalüsaatoritega**

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

#### **Asümmeetriste katalüsaatorite mõnede kiraalsete ligandide süntees**

Ilmarinen, Kaja; Pehk, Tõnis; Lopp, Margus XXV Eesti keemiatädi : 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 <https://www.sciencedirect.com/science/article/pii/S095741660200589X>

#### **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 <https://www.sciencedirect.com/science/article/pii/S0957416603003094>

**Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 3, Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones : synthesis of [alpha]-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; Päri, 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; Päri, 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, Tiia; 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, Tiia; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2008 / 5, p. 628-634 [https://www.researchgate.net/publication/232406405\\_Asymmetric\\_synthesis\\_of\\_4'-C-benzyl-2'3'-dideoxynucleoside\\_analogues\\_from\\_3-benzyl-2-hydroxy-2-cyclopenten-1-one](https://www.researchgate.net/publication/232406405_Asymmetric_synthesis_of_4'-C-benzyl-2'3'-dideoxynucleoside_analogues_from_3-benzyl-2-hydroxy-2-cyclopenten-1-one)

**Asymmetric synthesis of novel C2-symmetric bimorpholines**  
**Kanger, Tõnis; Kriis, Kadri; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus** Tetrahedron : asymmetry 2002 / p. 857-865

**Asymmetric synthesis of tertiary 2-substituted 5-oxotetrahyrofuran-2-carboxylic acids**  
**Paju, Anne; Oja, Karolin; Matkevič, 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\\_Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](https://doi.org/10.3987/COM-13-S(S)28_Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS)

**Bimorpholine as an organocatalyst for asymmetric aldol condensation**  
**Kriis, Kadri; Kanger, Tõnis; Laars, Marju; Kailas, Tiia; 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, Tiia; 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]oktaanooni derivaatide süntees**  
**Raudla, Kristin; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus** XXIX Eesti keemiateaduskonverentsi 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 $\gamma$ -lactone acids

**Paju, Anne; Niidu, Allan; Lumi, Priit; Matkevitš, 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 amino resins 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 amino resins 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 $^{13}\text{C}$ NMR spectroscopy

**Siimer, Kadri; Pehk, Tõnis; Christjanson, Peep** Stambiamolekuli 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 [alpha]-bromo-[omega]-hydroxyaldehydes : decyclization of hemiacetals by lipase

Villo, Ly; **Metsala, Andrus; Parve, Omar; Pehk, Tõnis** Tetrahedron letters 2002 / p. 3203-3207  
[https://www.academia.edu/17112413/Chemical\\_versus\\_enzymatic\\_acetylation\\_of\\_%CE%B1\\_bromo\\_%CF%89\\_hydroxyaldehydes\\_decyclization\\_of\\_hemiacetals\\_by\\_lipase](https://www.academia.edu/17112413/Chemical_versus_enzymatic_acetylation_of_%CE%B1_bromo_%CF%89_hydroxyaldehydes_decyclization_of_hemiacetals_by_lipase)

#### 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 C2-symmetric chiral 2,2'-biaziridinyls of 3-alkyl-1,2-cyclopentanediones

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

#### A comparative study of the synthesis of C2-symmetric chiral 2,2'-bisaziridinyls

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

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

Vaher, Merike; Truuus, 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; Truuus, 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; Truuus, 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 = Kemiidagarna = Finnish Chemical Congress : 27.-29.3.2007 : abstraktit = 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, Cypros, 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  $^{13}\text{C}$  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 keemiatäiendad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 14

**Direct asymmetric [alpha]-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 <https://www.sciencedirect.com/science/article/pii/S0040403997011027>

**Eesti karbamiidvaigud**

Siimer, Kadri; Saks, Imre; Christjanson, Peep; Pehk, Tõnis; Suurpere, Aime; Kaljuvee, Tiit XXIX Eesti keemiatäiendad : 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 <https://link.springer.com/article/10.1007/s10973-007-8449-1>

**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; Lopp, Margus** 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 <https://doi.org/10.1055/s-0034-1378374> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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\\_Biomorpholine-Catalyzed\\_Organocatalytic\\_Aldol\\_Condensation](https://www.researchgate.net/publication/237887633_Enantioselective_Synthesis_of_Wieland-Miescher_Ketone_through_Biomorpholine-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-secosteroolidesse saamiseks**

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

**Etüleendiamiini (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

**Etüleendiamiini (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 / 3, p. 167-172 : ill

**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.; Truuus, 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.esther.ee/record=b1190326\\*est](https://www.esther.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 cyclopentanenediones**

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)4 with cyclopentane-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 <https://doi.org/10.1002/qua.24619> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **(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-metüülasendatud allüülderivaatide 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-dioli 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 karboksülhapete ja nende derivaatide $^{13}\text{C}$ 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

**Kälistetetrahüdrofuraani 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

**Lihtrne 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]

**Läänenmere vetikaplasti töönduslik 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 technologija = Polymer chemistry, physics and technology : konferencijos pranešimų 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

**Melamiin-formaldehüüd-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 kövenemisprotsessi 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

[https://www.researchgate.net/publication/228068775\\_OXIDATION\\_OF\\_SUBSTITUTED\\_BICYCLO440DECEN-3-ONES](https://www.researchgate.net/publication/228068775_OXIDATION_OF_SUBSTITUTED_BICYCLO440DECEN-3-ONES)

**Molecular model of Estonian kukersite kerogen evaluated by  $^{13}\text{C}$  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 analogide 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, Külli; 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>

#### **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 <https://pubs.acs.org/doi/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-hüdroksüketoонide 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 $^{18}\text{O}$ 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 oksüdatioon**  
**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-kaksikside mete selektiivne taandumine = 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.estr.ee/record=b1070511\\*est](https://www.estr.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 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  
<https://www.sciencedirect.com/science/article/abs/pii/S0957416699003110>

**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 aktiivtsentril**

**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**

**Nidu, 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  
<https://doi.org/10.1021/o1500421k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Resool-tüüpi fenool-formaldehydüvaikude struktuuri tekemehhanismi uurimine leelise sisalduse muutumisel**

**Paju, Jane; Pehk, Tõnis; Christjanson, Peep** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry

**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>

### **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>

### **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 <https://doi.org/10.1016/j.tet.2014.06.037> 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 $\gamma$ -lactones**

Nidu, Allan; Paju, Anne; Müürisepp, Aleksander-Mati; Järving, Ivar; Kailas, Tiiu; Pehk, Tõnis; Lopp, Margus Chemistry of heterocyclic compounds 2013 / p. 1751-1760 : ill <https://doi.org/10.1007/s10593-013-1206-4> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Truu, 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)**

Truu, 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 technologija = Polymer chemistry, physics and technology : konferencijos pranešimų 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; Traksmaa, 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 C2-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 <https://www.sciencedirect.com/science/article/abs/pii/S001430570200188X>

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

Christjanson, Peep; Siimer, Kadri; Pehk, Tõnis POLYCHAR World Forum on Polymer Applicatios 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 *Coccotylus truncatus***

Tuvikene, Rando; Truu, Kalle; Robal, Marju; Pehk, Tõnis; Kailas, Tiiu; Vaher, Merike; Paalme, Tiina Carbohydrate research 2009 / p. 788-794 : ill <https://www.sciencedirect.com/science/article/abs/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  $^{13}\text{C}$  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 keemiatäiendavate 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; Lopp, Margus 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 <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2005-916025>

**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 <https://doi.org/10.1002/chir.22217> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**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, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus

**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 25-29, 2006 : program and abstracts 2006 / p. 129

**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 <https://www.sciencedirect.com/science/article/abs/pii/S0040402009001914>

**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 <https://www.sciencedirect.com/science/article/pii/S0040402009001914>

**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**

Niidi, 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**

Niidi, 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**

Niidi, 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/abs/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 derivates 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

<https://www.tandfonline.com/doi/pdf/10.1080/15257770.2010.501776>

**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 [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 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 <https://link.springer.com/article/10.1007/s10973-007-8721-4>

**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; Truu, 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; Truu, Kalle; Robal, Marju; Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis; Kollist, Andres; Kailas, Tiiu; Vaher, Merike Journal of applied phycology 2010 / p. 51-63 : ill <https://link.springer.com/article/10.1007/s10811-009-9425-x>

**The modelling and kinetic investigation of the lipase-catalysed acetylation of steroisomeric 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, Külli; 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>

**The synthesis of 4'-substituted nucleoside analogues and their biological activity**  
**Jögi, Artur; Jäälaid, Raissa; Paju, Anne; Pehk, Tõnis; Lopp, Margus** Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 / p. P059

**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 <https://www.sciencedirect.com/science/article/abs/pii/S0957416698000536>

**The use of long range effects in  $^{13}\text{C}$  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 <https://link.springer.com/article/10.1007/s10973-009-0218-x>

**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, São Pedro, Brazil 2008 / p. D-06 [CD-ROM] <https://link.springer.com/article/10.1007/s10973-009-0218-x>

**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 <https://akjournals.com/view/journals/10973/99/3/article-p755.xml>

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

**Titanium(IV) acetylacetone 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, São Pedro, Brazil 2008 / p. OP-C06 [CD-ROM] <https://link.springer.com/article/10.1007/s10973-008-9647-1>

**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 referaatid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 101-103

**Tsükliliste ketoonide võrdlev Baeyer-Villiger'i asümmetriiline 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 asüümmeetriline 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  
<https://www.tandfonline.com/doi/full/10.1080/10426500590885309>

### Universaalne 13C TMR spektroskoopial baseeruv meetod orgaaniliste hapete dissotsiaatsioonikonstantide võrdlevaks määramiseks = An universal 13C 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.esther.ee/record=b1070511\\*est](https://www.esther.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 inimeste leukeemias 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, Külli; Järving, Ivar; Samel, Nigulas XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 81-82  
[https://www.esther.ee/record=b1070511\\*est](https://www.esther.ee/record=b1070511*est)

### Uute atsükliliste nukleosiidianaloogide 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-viinhappe derivaatide süntees

**Ilmarinen, Kaja; Allikmaa, Veiko; Ivanova, A.; Pehk, Tõnis; Lopp, Margus** XXX Eesti keemiatäevad : 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 keemiatäevad : 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 keemiatäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 12-13 [https://www.esther.ee/record=b2314480\\*est](https://www.esther.ee/record=b2314480*est)

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

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

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

**модифицирующих скорость реакции**

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