

**A total conformational analysis of diastereomeric esters and calculation of their conformational shielding models**  
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**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**  
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**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  
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**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 <https://link.springer.com/article/10.1007/s10482-005-9053-7>

**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

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**Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones**  
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**Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 1, 3-hydroxylation of 3-alkyl-1,2-cyclopentanediones**  
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**Asymmetric synthesis of 2/alkyl-substituted 2-hydroxyglutaric acid [gamma]-lactones**

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**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**

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

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**Carboxymethylated beta-cyclodextrin**

**Kreen, Malle; Köstner, Ado; Pehk, Tõnis** Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 :

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### **Catalytic reduction of sterols**

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

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

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### **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**

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### **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

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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]

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**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

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**Siimer, Kadri; Süld, Tiia-Maaja; Kaljuvee, Tiit; Christjanson, Peep; Pehk, Tõnis** Book of abstracts of the Polymer Processing Society 9th Annual Meeting PPS-09 : Lamaca, 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

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

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**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

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**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

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**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)

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### **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

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