

### **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>

### **Alkylation of phenols and resorcinols**

Lopušanskaja, Eleana; Paju, Anne; Lopp, Margus *Balticum Organicum Syntheticum (BOS 2022)* : program and abstract book 2022 / p. 114 <https://ortus.rtu.lv/science/lv/publications/35091/attachments/7168>

### **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 [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 prochiral and racemic ketones by using Sharpless catalyst**

Paju, Anne 2001 <https://digi.lib.ttu.ee/i/?4206> [https://www.ester.ee/record=b1551339\\*est](https://www.ester.ee/record=b1551339*est)

### **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 $\delta$ -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 $\gamma$ -lactone acids**

Laos, Marit; Jõgi, Artur; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus *14th European Symposium on Organic Chemistry (ESOC 14)* 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 [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 tertiary 2-substituted 5-oxotetrahydrofuran-2-carboxylic acids**

Paju, Anne; Oja, Karolin; Matkevits, Katharina; Lumi, Priit; Järving, Ivar; Pehk, Tõnis; Lopp, Margus *Heterocycles* 2014 / p. 981-995 : ill [https://doi.org/10.3987/COM-13-S\(S\)28](https://doi.org/10.3987/COM-13-S(S)28) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Catalytic asymmetric oxidation of 1,2-diketones**

**Lopp, Margus; Paju, Anne; Oja, Karolin; Lumi, Priit; Matkevich, Katarina** SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 40

### **Catalytic asymmetric synthesis of $\gamma$ -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

### **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

### **Cyclopentane-1,2-dione bis(tert-butylidimethylsilyl) enol ether in asymmetric organocatalytic Mukaiyama–Michael reactions**

**Reile, Indrek; Paju, Anne; Kanger, Tõnis; Järving, Ivar; Lopp, Margus** Tetrahedron letters 2012 / p. 1476-1478 : ill  
<https://www.sciencedirect.com/science/article/pii/S0040403912000767>

### **A direct alkylation of resorcinols**

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

### **Direct 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/abs/pii/S0040403997011027>

### **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

### **Elavhõbeda sisaldus Eesti NSV rannikumere vees ja organismides**

**Ott, Roman; Jankovski, H.; Kikas, Ülle; Lipre, Endla; Paju, Anne; Põder, Tõnis; Žagel, K.** Eesti NSV rannikumere kaitse : [artiklite kogumik] 1982 / lk. 93-101 [https://www.ester.ee/record=b1233548\\*est](https://www.ester.ee/record=b1233548*est)

### **Enantiomeersetete laktoonhapete katalüütiline asümmeetriline süntees**

**Paju, Anne; Niidu, Allan; Lumi, Priit; Matkevits, Katharina; Oja, Karolin; Pehk, Tõnis; Lopp, Margus** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 61

### **Erinevate $\alpha$ -naftoolide süntees ja dearomatiseerimine**

**Larin, Anni; Paju, Anne; Lopp, Margus** XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 21 : ill

### **Heterogeneous platinum catalytic aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones**

**Reile, Indrek; Kalle, Sigrid; Werner, Franz; Järving, Ivar; Kudrjašova, Marina; Paju, Anne; Lopp, Margus** Tetrahedron 2014 / p. 3608-3613 : ill <https://doi.org/10.1016/j.tet.2014.03.104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 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](#)

### **Keto-enool tautomeeride tasakaal tsüklopentaan-1,2-dioonides**

Reile, Indrek; Paju, Anne; Lopp, Margus XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 83 : ill

**Kinetic resolution of epoxy alcohols with the Sharpless Ti isopropoxide/tartaric ester complex**

Maljutenko, Karolin; Paju, Anne; Pehk, Tõnis; Järving, Ivar; Lopp, Margus *Balticum Organicum Syntheticum* : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 112 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

**Kinetic resolution of epoxy alcohols with the Sharpless Ti-isopropoxide/tartaric ester complex**

Maljutenko, Karolin; Paju, Anne; Järving, Ivar; Pehk, Tõnis; Lopp, Margus *Tetrahedron : asymmetry* 2016 / p. 608-613 : ill <https://doi.org/10.1016/j.tetasy.2016.05.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**3'hüdrosü-4'-asendatud-2'-deoksünukleosidi analoogide süntees**

Jõgi, Artur; Paju, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Lopp, Margus XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 28 : ill

**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-2,4-dihüdrosütsüklopent-2-eeenoonide süntees ja asümmeetriline oksüdatsioon**

Oja, Karolin; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 66 : ill

**3-bensüül-2-hüdrosü-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-bensüül-oksümetüül-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-hüdrosümetüül-1,3,6-heksaantrioli 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; Kisliõn, 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

**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

**Negishi cross-coupling for the synthesis 1,2-cyclopentanediones : a short way to lycoperdic acid and its homoanalogue**

Kostomarova, Diana; Paju, Anne; Pehk, Tõnis; Lopp, Margus 8th Biennial International Conference on Organic Synthesis : *Balticum Organicum Syntheticum* : July 6-9, 2014, Vilnius : program and abstract book 2014 / p. 81

**4'-asendatud nukleosiidi analoogide süntees ja nende bioloogiline aktiivsus**

Jõgi, Artur; Jäälaid, Raissa; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 36

**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

**New asymmetric chemical oxidation in the synthesis of chiral anti-cancer nucleoside analogues**

Lopp, Margus; Jõgi, Artur; Paju, Anne; Siirde, K. *European journal of pharmaceutical sciences* 2007 / 1, Supplement 1, p. S5 <https://link.springer.com/article/10.1007/s00709-006-0230-y>

**Otsene beeta-hüdrosüketoonide asümmeetriline alfa-hüdrosüleerimine**

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**

**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**

**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. 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** 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 53

#### **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 substituted cyclopentane-1,2-diones = Asendatud tsüklopentaan-1,2-dioonide oksüdeerimine**

**Oja, Karolin** 2018 <https://digi.lib.ttu.ee/ii/?9923> [https://www.ester.ee/record=b5050061\\*est](https://www.ester.ee/record=b5050061*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

#### **A practical asymmetric synthesis of R- and S-homocitric acid**

**Eek, Margus; Jäälaid, Raissa; Laos, Marit; Paju, Anne; Lopp, Margus** International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 84

#### **A practical asymmetric synthesis of (S) and (R)-2-methyl-5-oxotetrahydrofuran carboxylic acids**

**Jäälaid, Raissa; Paju, Anne; Eek, Margus; Lopp, Margus** International Conference on Organic Synthesis : June 27-July 1, 2004, Riga, Latvia : program & abstracts 2004 / p. 88

#### **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

#### **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

#### **Selective C-alkylation of substituted naphthols under non-aqueous conditions**

**Kooli, Anni; Shalima, Tatsiana; Lopušanskaja, Eleana; Paju, Anne; Lopp, Margus** Tetrahedron 2021 / art. 132278, 8 p. : ill <https://doi.org/10.1016/j.tet.2021.132278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **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>

#### **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-



### **Stereoselective synthesis of 1-methyl-1,2-and 1,3-cyclopentane diols via $\gamma$ -lactones**

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

### **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 3-substituted 1,2-cyclopentanediones via palladium-catalyzed cross-coupling reactions**

Paju, Anne; Kostomarov, Diana; Pehk, Tõnis; Lopp, Margus BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 151

### **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 = 4'-asendatud 2', 3'-dideoksünukleosiidi analoogide süstees**

Jõgi, Artur 2008 [https://www.ester.ee/record=b2402245\\*est](https://www.ester.ee/record=b2402245*est)

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

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Lopp, Margus Balticum Organicum Synthetium : 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 chiral FHF-analogues**

Niidu, Allan; Kisliksõn, Konstantin; Paju, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Balticum Organicum Synthetium : 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 cyclic 3-aryl-substituted 1,2-dicarbonyl compounds via Suzuki cross-coupling reaction**

Lopušanskaja, Eleana; Paju, Anne; Lopp, Margus Balticum Organicum Synthetium : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 107 : ill [http://www.boschem.eu/public/BOS2016/BOS-2016\\_Anstract-Book\\_Final.pdf](http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf)

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

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

### **Synthesis of cyclic 3-aryl-substituted 1,2-dicarbonyl compounds via Suzuki cross-coupling reactions [Online resource]**

Lopušanskaja, Eleana; Paju, Anne; Lopp, Margus Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fntdk.ut.ee/teesid-2018/>

### **Synthesis of cyclopentane and tetrahydrofuran derivatives = Tsüklopentaanide ja tetrahüdrofuraanide sünteis**

Niidu, Allan 2013 [https://www.ester.ee/record=b2992932\\*est](https://www.ester.ee/record=b2992932*est)

### **Synthesis of cyclopentane hydroxy derivatives**

Niidu, Allan; Paju, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 142

### **Synthesis of key intermediate en route to novel carbasugar analogues**

Niidu, Allan; Kisliksõn, Konstantin; Paju, Anne; Lopp, Margus Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 / p. P0103

### **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>

**Teaduspreemia keemia ja molikulaarbioloogia [p.o. molekulaarbioloogia] alal tööde tsükli "Uued asümmeetrilised reaktsioonid ja nende katalüsaatorid" eest : Margus Lopp, Anne Paju, Tõnis Kanger**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis** Eesti Vabariigi teaduspreemiad 2004 2004 / lk. 36-46 : ill., fot

**The synthesis and asymmetric oxidation of 3-benzyl-2,4-dihydroxycyclopent-2-enones**

**Oja, Karolin; Paju, Anne;** Pehk, Tõnis; **Lopp, Margus** BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 148

**The synthesis and epoxidation of allylic cyclopentenols**

**Oja, Karolin; Paju, Anne;** Pehk, Tõnis; **Lopp, Margus** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014

**The synthesis and epoxidation of allylic cyclopentenols**

**Oja, Karolin; Paju, Anne;** Pehk, Tõnis; **Lopp, Margus** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**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 Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 2010 / p. P059

**3-Alkyl-1,2-cyclopentanediones by Negishi cross-coupling of a 3-bromo-1,2-cyclopentanedione silyl enol ether with alkylzinc reagents : an approach to 2-substituted carboxylic acid  $\gamma$ -lactones, homocitric and lycoperdic acids**

**Paju, Anne; Kostomarova, Diana; Matkevits, Katharina; Laos, Marit;** Pehk, Tõnis; **Kanger, Tõnis; Lopp, Margus** Tetrahedron 2015 / p. 9313-9320 : ill <https://doi.org/10.1016/j.tet.2015.10.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Lopušanskaja, Eleana; Kooli, Anni; Paju, Anne; Järving, Ivar; Lopp, Margus** Tetrahedron 2021 / art. 131935, 9 p

<https://doi.org/10.1016/j.tet.2021.131935> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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

**Uued asümmeetrilised reaktsioonid ja nende katalüsaatorid**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis** Tallinna Tehnikaülikooli aastaraamat 2004 2005 / lk. 203-209 : ill

**Uued asümmeetrilised reaktsioonid ja nende katalüsaatorid**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis** Mente et Manu 2004 / 9. märts, lk. 3 [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)  
[https://artiklid.elnet.ee/record=b1018852\\*est](https://artiklid.elnet.ee/record=b1018852*est)

**Uute atsükliiliste 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