

### 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

### Catalyzed resolution and simultaneous selective crystallization

Parve, Jaan; Vares, Lauri; Reile, Indrek; Pehk, Tõnis; Villo, Ly; Parve, Omar Comprehensive organic chemistry experiments for the laboratory classroom 2017 / p. 931-934 [http://www.estr.ee/record=b4666270\\*est](http://www.estr.ee/record=b4666270*est)

### Chiral cyclohexylhemicucurbit[n]uril homologues

Shmatova, Elena; Fomitšenko, Maria; Öeren, Mario; Reile, Indrek; Järving, Ivar; Aav, Riina 9th International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC-9) : program and book of abstracts : Shanghai Institute of Organic Chemistry, Shanghai, China, June 7-June 11, 2014 2014 / [1] p. : ill

### Chiral cyclohexylhemicucurbit[n]urils

Shmatova, Elena; Fomitšenko, Maria; Öeren, Mario; Reile, Indrek; Kuhtinskaja, Maria; Järving, Ivar; Aav, Riina TÜ ja TTÜ doktorikool "Funktsoonalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

### Cyclohexylhemicucurbiturils as supramolecular necklace for guest molecule

Prigorchenko, Elena; Öeren, Mario; Kaabel, Sandra; Kruusamägi, Madli; Fomitšenko, Maria; Reile, Indrek; Topic, Filip; Rissanen, Kari; Aav, Riina 10th International Symposium on Macrocyclic and Supramolecular Chemistry : Strasbourg, France, June 28th - July 2nd 2015 2015 / p. PB-44

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

Reile, Indrek; Paju, Anne; Kanger, Tõnis; Järving, Ivar; Lopp, Margus Tetrahedron letters 2012 / p. 1476-1478 : ill

### Excess of threonine compared with serine promotes threonine aldolase activity in *Lactococcus lactis* IL1403

Aller, Kadri; Adamberg, Kaarel; Reile, Indrek; Timarova, Veronica; Peebo, Karl; Vilu, Raivo Microbiology 2015 / p. 1073-1080 : ill <http://dx.doi.org/10.1099/mic.0.000071>

### Extraction and fractionation of bioactives from *dipsacus fullonum* L. leaves and evaluation of their anti-borrelia activity

Saar-Reismaa, Piret; Bragina, Olga; Kuhtinskaja, Maria; Reile, Indrek; Laanet, Pille-Riin; Kulp, Maria; Vaher, Merike Pharmaceuticals 2022 / 12 p. : ill <https://doi.org/10.3390/ph15010087> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Reile, Indrek; Kalle, Sigrid; Werner, Franz; Järving, Ivar; Kudrjašova, Marina; Paju, Anne; Lopp, Margus Tetrahedron 2014 / p. 3608-3613 : ill

### Keto-enol tautomeeride tasakaal tsüklopentaan-1,2-dioonides

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

### Large azobenzene acrocycles : formation and detection by NMR and MS methods

Roithmeyer, Helena; Uudsemaa, Merle; Trummal, Aleksander; Brük, Mari-Liis; Krämer, Sebastian; Reile, Indrek; Rjabovs, Vitalijs; Palmi, Kirsti; Rammo, Matt; Aav, Riina; Kalenius, Elina; Adamson, Jasper Supramolecular Chemistry 2022 / p. 77-86  
<https://doi.org/10.1080/10610278.2023.2230334> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Lipase-catalyzed stereoresolution of long-chain 1,2-alkanediols: a screening of preferable reaction conditions

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<http://dx.doi.org/10.1016/j.molcatb.2015.03.006>

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### New chiral cyclohexylhemicucurbit[6]uril

Aav, Riina; Shmatova, Elena; Reile, Indrek; Borissova, Maria; Topic, Filip; Rissanen, Kari Organic letters 2013 / p. 3786-3789 : ill

### New chiral cyclohexylhemicucurbituril structure and complexation

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**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

**Preparation of thermoplastic cellulose esters in [mTBNH][OAC] ionic liquid by transesterification reaction**

Tarasova, Elvira; Savale, Nutan; Krasnou, Illia; Kudrjašova, Marina; Rjabovs, Vitalijs; Reile, Indrek; Vares, Lauri; Kallakas, Heikko; Kers, Jaan; Krumme, Andres Polymers 2023 / art. 3979 <https://doi.org/10.3390/polym15193979>

**Process optimization for catalytic oxidation of dibenzothiophene over UiO-66-NH<sub>2</sub> by using a response surface methodology**

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**A quantitative method for analysis of mixtures of homologues and stereoisomers of hemicucurbiturils that allows us to follow their formation and stability**

Fomitšenko, Maria; Peterson, Anna; Reile, Indrek; Cong, Hang; Kaabel, Sandra; Prigorchenko, Elena; Järving, Ivar; Aav, Riina New journal of chemistry 2017 / p. 2490-2497 : ill <http://dx.doi.org/10.1039/C6NJ03050E>

**Scalable lipase-catalyzed synthesis of (R)-4-(Acyloxy)pentanoic acids from racemic  $\gamma$ -valerolactone**

Parve, Jaan; Kudrjašova, Marina; Shalima, Tatsiana; Villo, Ly; Liblikas, Ilme; Reile, Indrek; Pehk, Tõnis; Gathergood, Nicholas; Aav, Riina; Vares, Lauri; Parve, Omar ACS sustainable chemistry & engineering 2021 / p. 1494-1499 <https://doi.org/10.1021/acssuschemeng.0c07918> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Stable isotope tracing uncovers reduced  $\gamma/\beta$ -ATP turnover and metabolic flux through mitochondrial-linked phosphotransfer circuits in aggressive breast cancer cells**

Klepinin, Aleksandr; Miller, Sten; Reile, Indrek; Puurand, Marju; Rebane-Klemm, Egle; Klepinina, Ljudmila; Vija, Heiki; Zhang, Song; Terzic, Andre; Dzeja, Petras; Kaambre, Tuuli Frontiers in Oncology 2022 / art. 892195 <https://doi.org/10.3389/fonc.2022.892195> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Stereoselective Synthesis of  $\gamma$ -(Acyloxy)Carboxylic Acids and  $\gamma$ -Lactones Features the Switch of Stereopreference of CalB Along Sodium  $\gamma$ -Hydroxycarboxylate Homologues**

Parve, Jaan; Kudrjašova, Marina; Shalima, Tatsiana; Villo, Ly; Ferschel, Moonika; Niidu, Allan; Liblikas, Ilme; Reile, Indrek; Aav, Riina; Gathergood, Nicholas; Vares, Lauri; Pehk, Tõnis; Parve, Omar European journal of organic chemistry 2023 / art. e202201329 <https://doi.org/10.1002/ejoc.202201329>

**Synthesis of the cyclohexylhemicucurbit[n]urils**

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**Synthesis of thermoplastic cellulose esters in novel ionic liquid**

Savale, Nutan; Tarasova, Elvira; Krasnou, Illia; Kudrjašova, Marina; Reile, Indrek; Krumme, Andres Baltic Polymer Symposium, BPS2023 : programme and abstracts 2023 / p. 14

**Template-controlled synthesis of chiral cyclohexylhemicucurbit[8]uril**

Prigorchenko, Elena; Öeren, Mario; Kaabel, Sandra; Fomitšenko, Maria; Reile, Indrek; Järving, Ivar; Tamm, Toomas; Topic, Filip; Rissanen, Kari; Aav, Riina Chemical communications 2015 / p. 10921-10924 : ill <http://dx.doi.org/10.1039/c5cc04101e>

**3-alkylcyclopentane-1,2-diones in asymmetric oxidation and alkylation reactions = 3-alküülsüklopentaan-1,2-dioonid asümmeetrilistes oksüdeerimis- ja alküleerimisreaktsioonides**

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**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

**Uus kiraalse tsükloheksülpoolkukurbituriili struktuur ja komplekseerimine**

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