

### Assignment of configuration of chiral cyclic compounds by modelled spin-spin couplings and vibrational circular dichroism spectra

**Aav, Riina; Suun, Silver; Tamp, Sven; Ausmees, Kerti; Kriis, Kadri; Metsala, Andrus; Peterson, Anna; Öeren, Mario** 2nd Polish-Taiwanese Conference : From Molecular Modeling to Nano- and Biotechnology : 26-28 August 2015, Opole, Poland 2015 / [1] p. : ill

### Asymmetric addition to aromatic unsaturated 1,4-diketones catalyzed by chichona alkaloid derivatives

**Žari, Sergei; Kudrjašova, Marina; Öeren, Mario; Tamm, Toomas; Lopp, Margus; Kanger, Tõnis** BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 207

### Asymmetric diastereoselective synthesis of spirocyclopropane derivatives of oxindole

**Ošek, Maksim; Noole, Artur; Žari, Sergei; Öeren, Mario; Järving, Ivar; Lopp, Margus; Kanger, Tõnis** European journal of organic chemistry 2014 / p. 3599-3606 : ill

### Binding between cyclohexanohemicucurbit[n]urils and polar organic guests

**Ustrnul, Lukas; Burankova, Tatsiana; Öeren, Mario; Juhhimenko, Kristina; Ilmarinen, Jenni; Siilak, Kristjan; Mishra, Kamini Atindrakumar; Aav, Riina** Frontiers in chemistry 2021 / art. 701028 <https://doi.org/10.3389/fchem.2021.701028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Characteristic VCD signals of chiral hemicucurbiturils : (all-S)-cycHC[6], (all-R)-cycHC[8] and biotin[6]uril ester

**Aav, Riina; Peterson, Anna; Prigorchenko, Elena; Öeren, Mario** 10th International Symposium on Macrocyclic and Supramolecular Chemistry : Strasbourg, France, June 28th - July 2nd 2015 2015 / p. PA-1

### 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 "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

### Chiral hemicucurbit[8]uril as an anion receptor : selectivity to size, shape and charge distribution

**Kaabel, Sandra; Adamson, Jasper; Topic, Filip; Öeren, Mario; Reimund, Mart; Prigorchenko, Elena; Lõokene, Aivar; Aav, Riina** Chemical science 2017 / p. 2184-2190 : ill <https://doi.org/10.1039/C6SC05058A>

### Computational and ion mobility MS study of (all-S)-cyclohexylhemicucurbit[6]uril structure and complexes

**Öeren, Mario; Shmatova, Elena; Tamm, Toomas; Aav, Riina** Physical chemistry chemical physics 2014 / p. 19198-19205 : ill

### Computational study of cyclohexylhemicucurbiturils = Tsükloheksüülhemikukurbituriilide arvutuskeemiline modelleerimine

**Öeren, Mario** 2015 [https://www.ester.ee/record=b4522693\\*est](https://www.ester.ee/record=b4522693*est)

### Cyclohexanohemicucurbit[8]uril - a neutral host for anionic guests

**Kaabel, Sandra; Adamson, Jasper; Kalenius, Elina; Topic, Filip; Öeren, Mario; Lõokene, Aivar; Rissanen, Kari; Aav, Riina** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 80 : 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)

### Cyclohexanohemicucurbit[8]uril - a neutral host for anionic guests

**Kaabel, Sandra; Adamson, Jasper; Kalenius, Elina; Topic, Filip; Öeren, Mario; Lõokene, Aivar; Rissanen, Kari; Aav, Riina** 11th International Symposium on Macrocyclic and Supramolecular Chemistry : ISMSC-2016 : Seoul, Korea, 10-14 July 2016 2016 / p. PA051

### 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

### Dynamic chiral cyclohexanohemicucurbit[12]uril

**Mishra, Kamini Atindrakumar; Adamson, Jasper; Öeren, Mario; Kaabel, Sandra; Fomitšenko, Maria; Aav, Riina** Chemical communications 2020 / p. 14645-14648 <https://doi.org/10.1039/D0CC06817A> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Isolation of cyclohexanohemicucurbit[10-12]urils - success and difficulties in their analysis

**Kamini, Mihsra; Kaabel, Sandra; Adamson, Jasper; Fomitšenko, Maria; Öeren, Mario; Aav, Riina** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 62 : ill <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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

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

**A new chiral hemicucurbit[6]uril, a host for the ions**

**Aav, Riina; Shmatova, Elena; Öeren, Mario; Borissova, Maria** 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. 83 <https://www.etis.ee/Portal/Publications/Display/0e12460c-d3e8-424e-904a-a22e0c06633d>

**New homologues of chiral cyclohexylhemicucurbit[n]urils**

**Fomitšenko, Maria; Shmatova, Elena; Öeren, Mario; Järving, Ivar; Aav, Riina** Supramolecular chemistry 2014 / p. 698-703 : ill

**Organocatalytic asymmetric addition of malonates to unsaturated 1,4-diketones**

**Žari, Sergei; Kailas, Tiiu; Kudrjašova, Marina; Öeren, Mario; Järving, Ivar; Tamm, Toomas; Lopp, Margus; Kanger, Tõnis** Beilstein journal of organic chemistry 2012 / p. 1452-1457 : ill <https://pubmed.ncbi.nlm.nih.gov/23019480/>

**Separation and analysis of new cyclohexylhemicucurbituril homologues**

**Fomitšenko, Maria; Shmatova, Elena; Öeren, Mario; Järving, Ivar; Aav, Riina** 20th International Symposium on Separation Sciences : ISSS 2014 : August 30 - September 2, 2014 2014 / p. 110

**Supramolecular control in hemicucurbiturils**

**Aav, Riina; Kaabel, Sandra; Prigorchenko, Elena; Fomitšenko, Maria; Öeren, Mario; Trunin, Madli; Adamson, Jasper; Rissanen, Kari** 11th International Symposium on Macrocyclic and Supramolecular Chemistry : ISMSC-2016 : Seoul, Korea, 10-14 July 2016 2016 / p. PB037

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

**Shmatova, Elena; Kruusamägi, Madli; Öeren, Mario; Reile, Indrek; Aav, Riina** 8th Biennial International Conference on Organic Synthesis : Balticum Organicum Syntheticum : July 6-9, 2014, Vilnius : program and abstract book 2014

**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-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

**Trans-tsükloheksaanuurea VCD analüüs tahkes ja vedelas faasis : [posteritekanne]**

Peterson, Anna; Öeren, Mario; **Shmatova, Elena**; Kailas, Tiiu; **Aav, Riina** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013

**Uus enantiomeerne poolkukurbit[6]uriil**

**Shmatova, Elena; Werner, Franz; Tarma, K.; Öeren, Mario; Borissova, Maria; Aav, Riina** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 92 : ill

**Uus kiraalse tsükloheksüülpoolkukurbiturilli struktuur ja komplekseerimine**

**Shmatova, Elena**; Reile, Indrek; Kuhtinskaja, Maria; Öeren, Mario; Topic, Filip; Rissanen, Kari; **Aav, Riina** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013