

### **Analysis and quantification of remacrocyclisation of cyclohexylhemicucurbituril homologues**

**Fomitšenko, Maria; Peterson, Anna; Prigorchenko, Elena; Järving, Ivar; Aav, Riina** EuroAnalysis 2015 : 6-10 September 2015, Bordeaux, France 2015

### **Analysis of intermediates and quantification of products in synthesis of hemicucurbiturils**

**Fomitšenko, Maria; Prigorchenko, Elena; Peterson, Anna; Trunin, Madli; Järving, Ivar; Aav, Riina** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 61 : 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)

### **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

### **Chromatographic analysis of cyclohexano-substituted hemicucurbiturils and characterization of their intermediates with mass spectrometry = Tsükloheksaano-asendatud hemikucurbituriilide kromatograafiline analüüs ning nende vaheühendite mass-spektromeetiline iseloomustamine**

**Fomitšenko, Maria** 2017 [http://www.ester.ee/record=b4748237\\*est](http://www.ester.ee/record=b4748237*est) <https://digi.lib.ttu.ee/i/?9122>

### **Cucurbiturils : synthesis, structures, formation mechanisms, and nomenclature**

**Aav, Riina; Kaabel, Sandra; Fomitšenko, Maria** Comprehensive supramolecular chemistry II. Vol. 3, Supramolecular receptors 2017 / p. 203-220 : ill <https://doi.org/10.1016/B978-0-12-409547-2.12514-4>

### **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](#)

### **Fingerprinting postblast explosive residues by portable capillary electrophoresis with contactless conductivity detection**

**Kobrin, Eeva-Gerda; Lees, Heidi; Fomitšenko, Maria; Kuban, Petr; Kaljurand, Mihkel** Electrophoresis 2014 / p. 1165-1172 : ill

### **Formation and trapping of the thermodynamically unfavoured inverted-hemicucurbit[6]uril**

**Prigorchenko, Elena; Kaabel, Sandra; Narva, Triin; Baškir, Anastassia; Fomitšenko, Maria; Adamson, Jasper; Järving, Ivar; Rissanen, Kari; Tamm, Toomas; Aav, Riina** Chemical communications 2019 / p. 9307–9310 : ill <https://doi.org/10.1039/C9CC04990H> [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://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

### **Large chiral cyclohexanohemicucurbit[n]urils [Online resource]**

**Mishra, Kamini Atindrakumar; Kaabel, Sandra; Paberits, Oliver; Fomitšenko, Maria; Aav, Riina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fmdtk.ut.ee/teesid/>

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

### **New oxalix[4]arene carboxylate detects viologen in protic media**

**Peterson, Anna; Ludvig, Mari-Liis; Martõnova, Jevgenia; Kaabel, Sandra; Fomitšenko, Maria; Aav, Riina** Supramolecular chemistry 2020 / p. 313–319 : ill <https://doi.org/10.1080/10610278.2019.1659269> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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>

**Separation and analysis of new cyclohexylhemicurbituril 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

**Size-control by anion templating in mechanochemical synthesis of hemicurbiturils in the solid state**

**Kaabel, Sandra;** Stein, Robin S.; **Fomitšenko, Maria; Järving, Ivar;** Frišćic, Tomislav; **Aav, Riina** Angewandte Chemie international edition 2019 / p. 6230-6234 : ill <https://doi.org/10.1002/anie.201813431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Supramolecular control in hemicurbiturils**

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**Synthesis of new chiral macrocycles from (2S)-2,3-diaminopropionic acid [Online resource]**

**Mishra, Kamini Atindrakumar; Fomitšenko, Maria; Aav, Riina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p.: ill <http://fmdk.ut.ee/teesid-2019/>

**Synthesis of the new inverted cis-cyclohexano-hemicurbit[6]uril**

**Trunin, Madli; Prigorchenko, Elena; Baškir, A.; Kaabel, Sandra; Fomitšenko, Maria; Aav, Riina** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 162 : 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)

**Template-controlled synthesis of chiral cyclohexylhemicurbit[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>

**UV-analysis of macrocyclic and linear oligomers of hemicurbiturils [Online resource]**

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