

**Anion recognition and the templated solid-state synthesis of hemicucurbiturils = Hemikukurbituriidid kui anioonide retseptorid ning nende mehhanokeemiline süntees tahkes faasis**

**Kaabel, Sandra** 2019 <https://digi.lib.ttu.ee/i/?11236> [https://www.ester.ee/record=b5182788\\*est](https://www.ester.ee/record=b5182788*est)

**The breaking of symmetry leads to chirality in cucurbituril-type hosts**

**Aav, Riina; Mishra, Kamini Atindrakumar** Symmetry 2018 / 26 p. : ill <https://doi.org/10.3390/sym10040098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The breaking of symmetry leads to chirality in cucurbituril-type hosts : [the article in collection]**

**Aav, Riina; Mishra, Kamini Atindrakumar** Chiral Auxiliaries and Chirogenesis 2021 / p. 1-26 : ill <https://doi.org/10.3390/books978-3-0365-1017-0> <https://doi.org/10.3390/sym10040098>

**Chiral molecular containers hemicucurbiturils - are they symmetric or asymmetric?**

**Aav, Riina** Symmetry : culture and science 2017 / p. 167-170 : ill <http://journal-scs.symmetry.hu/content-pages/volume-28-number-2-pages-161-240-2017/>

**Chromatographic analysis of cyclohexano-substituted hemicucurbiturils and characterization of their intermediates with mass spectrometry = Tsükloheksaano-asendatud hemikukurbituriilide 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>

**Crystallization of host-guest complexes with a chiral hemicucurbit[8]uril**

**Kaabel, Sandra**; Topic, Filip; **Aav, Riina**; Rissanen, Kari 23rd International Conference on the Chemistry of the Organic Solid State (ICCOSS-XXIII), Stellenbosch, South Africa, April 2nd to 7th, 2017 2017 / P-28, p. 109 : ill <https://docplayer.net/51737571-icross-xxiii-stellenbosch-south-africa-contents-message-from-the-chair-of-the-organising-committee-2-previous-icross-meetings-3-committees-4.html>

**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

**Hemicucurbit[n]urils for extraction of neutral heterocycles from water**

**Shalima, Tatsiana; Kamini, Mihsra; Kaabel, Sandra; Aav, Riina** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 77 : ill <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

**Heterocomponent ternary supramolecular complexes of porphyrins: a review**

**Prigorchenko, Elena; Ustrnul, Lukas; Borovkov, Victor; Aav, Riina** Journal of porphyrins and phthalocyanines 2019 / p. 1308-1325 : ill <https://doi.org/10.1142/S108842461930026X> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Host-guest complexes of 2-aminocyclohexyl thioureas and zinc porphyrins: chiroptic properties and binding mechanism**

**Konrad, Nele**; Menialava, Darya; **Osadchuk, Irina; Aav, Riina; Borovkov, Victor; Kananovich, Dzmitry** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 44 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

**Host-guest complexes with a chiral hemicucurbit[8]uril [Online resource]**

**Kaabel, Sandra; Paberits, Oliver**; Topic, Filip; Rissanen, Kari; **Aav, Riina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fntdk.ut.ee/teesid/>

**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://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

**Mechanosynthesis of hemicucurbiturils and their complexation : an analytical study = Hemikukurbituriilide mehhanosünteesi ja nende komplekseerimise analüüs**

**Jarg, Tatsiana** 2024 [https://www.ester.ee/record=b5702876\\*est](https://www.ester.ee/record=b5702876*est) <https://digikogu.taltech.ee/et/Item/dad72c56-32af-4ff4-b59d-24ee5e97b842> <https://doi.org/10.23658/taltech.57/2024>

**Porphyrin-based (chir)optical sensing of amino-functionalized thiourea organocatalysts**

**Konrad, Nele**; Horetski, Matvey; Sihtmäe, Mariliis; Osadchuk, Irina; Truong, Khai-Nghi; **Borovkov, Victor; Aav, Riina; Kananovich, Dzmitry** Twelfth International Conference on Porphyrins and Phthalocyanines : ICPP-12 : book of abstracts 2022 / p. 393 [http://www.icpp-spp.org/img\\_icpp12/ICPP-12%20BOA.pdf](http://www.icpp-spp.org/img_icpp12/ICPP-12%20BOA.pdf)

**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 <https://doi.org/10.1039/C6NJ03050E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Supramolecular Chirogenesis in bis-porphyrin: crystallographic structure and CD spectra for a complex with a chiral guanidine derivative**

**Osadchuk, Irina; Konrad, Nele;** Truong, Khai-Nghi; Rissanen, Kari; Clot, Eric; **Aav, Riina; Kananovich, Dzmitry; Borovkov, Victor** *Symmetry* 2021 / 14 p. : ill <https://doi.org/10.3390/sym13020275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Osadchuk, Irina; Konrad, Nele;** Truong, Khai-Nghi; **Aav, Riina; Kananovich, Dzmitry; Borovkov, Victor** *Chiral Auxiliaries and Chirogenesis II* 2021 / p. 83-96 <https://doi.org/10.3390/sym13020275> <https://doi.org/10.3390/books978-3-0365-1155-9>

**Supramolecular chirogenesis in zinc porphyrins: complexation with enantiopure thiourea derivatives, binding studies and chirality transfer mechanism**

**Konrad, Nele;** Meniailava, Darya; **Osadchuk, Irina;** Adamson, Jasper; **Hasan, Mohammed;** Clot, Eric; **Aav, Riina; Borovkov, Victor; Kananovich, Dzmitry** *Journal of porphyrins and phthalocyanines* 2020 <https://doi.org/10.1142/S108842461950192X> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Synthesis and properties of oxa[4]calixarene [Online resource]**

**Peterson, Anna; Kaabel, Sandra; Aav, Riina;** Adamson, Jasper *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/>

**Synthesis of oxacalix[4]arene derivatives**

**Ludvig, Mari-Liis; Peterson, Anna; Martõnova, Jevgenia; Aav, Riina;** Adamson, Jasper *GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 56 : ill* <http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

**Synthesis of porphyrin-biotin[6]uril conjugates**

**Dalidovich, Tatsiana; Konrad, Nele; Kananovich, Dzmitry; Aav, Riina** *GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 19 : ill* <http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>