

Activation in organic and macromolecular including peptide synthesis by fluorinated carboxylic acids and derivatives

Percec, Virgil; **Adamson, Jasper**; Maurya, Devendra S. European journal of organic chemistry 2025 / 11 p.

<https://doi.org/10.1002/ejoc.202500776>

Alkyltitanium ate complexes generated from alkylmagnesium halides and titanium TADDOLate : NMR and computational study

Kananovich, Dzmitry; Adamson, Jasper; **Osadchuk, Irina**; **Kudrjašova, Marina**; **Lopp, Margus** Balticum Organicum Syntheticum : 3-6 July 2016, Riga, Latvia : program and abstracts 2016 / p. 84 : ill http://www.boschem.eu/public/BOS2016/BOS-2016_Anstract-Book_Final.pdf

Application of cobalt-containing metal-organic framework as crystalline sponge

Martõnova, Jevgenija; Adamson, Jasper; Kaabel, Sandra; Šubin, Kirill; **Aav, Riina** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 2 https://fmttk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Asymmetric Kulinkovich hydroxycyclopropanation of alkenes mediated by titanium(IV) TADDOLate complexes

Iskryk, Marharyta; **Barysevich, Maryia**; **Ošeka, Maksim**; Adamson, Jasper; **Kananovich, Dzmitry** Synthesis 2019 / p. 1935-1948 : ill <https://doi.org/10.1055/s-0037-1611709> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cambridge, Oxford ja nüüd ... Ida-Virumaa! Miks teeb muljetavaldava teadustaustaga Jasper Adamson karjääri just selles Eesti nurgas?

geenius.ee 2025 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/cambridge-oxford-ja-nuud-ida-virumaa-miks-teeb-muljetavaldava-teadustaustaga-jasper-adamson-karjaari-just-selles-eesti-nurgas/>

Cambridge'ist Kohtla-Järvele: tippteadlane toob maailmatasemel keemiaõppe Virumaa kolledžisse

Pärm, Rein; Adamson, Jasper postimees.ee 2025 <https://teadus.postimees.ee/8271287/cambridge-ist-kohtla-jarvele-tippteadlane-toob-maailmatasemel-keemiaoppe-virumaa-kolledzisse>

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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chiral hemicucurbit[8]uril complexation with anionic guests : an NMR titration and variable temperature NMR study

Adamson, Jasper; **Kaabel, Sandra**; **Prigorchenko, Elena**; Reich, Hans J.; Rissanen, Kari; **Aav, Riina** SMASH 2017 : Conference Program, September 17th-20th 2017, Baveno, Italy 2017 / p. 117-1250 : ill

Cubic iron core-shell nanoparticles functionalized to obtain high-performance MRI contrast agents

Volokhova, Maria; Shugai, Anna; Tsujimoto, Masahiko; Kubo, Anna-Liisa; Telliskivi, Sven; Nigul, Mait; Uudeküll, Peep; Vija, Heiki; Bondarenko, Olesja; Adamson, Jasper; Kahru, Anne; Stern, Raivo; Seiberg, Liis Materials 2022 / art. 2228 <https://doi.org/10.3390/ma15062228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Design, synthesis, and self-organization of nature- and bio-inspired homochiral helical complex systems

Percec, Virgil; **Adamson, Jasper**; Sahoo, Dipankar; Maurya, Devendra S. Synthesis 2025 / 17 p <https://doi.org/10.1055/a-2685-2029>

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](#)

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

Jätakuusutlik keemiatehnoloogia kujundab keskkonnasõbralikku tulevikku

Adamson, Jasper Aastaraamat 2024 2025 / lk. 15 https://www.ester.ee/record=b2666429*est

Kosmeetikast tuumaenergeetikani – magistrikraad, mis avab uksi

delfi.ee 2025 <https://arileht.delfi.ee/artikkel/120367237/kosmeetikast-tuumaenergeetikani-magistrikraad-mis-avab-uksi>

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

Leaching of PAHs from agricultural soils treated with oil shale combustion ash : an experimental study

Jefimova, Jekaterina; Adamson, Jasper; Reinik, Janek; Irha, Natalja Environmental science and pollution research 2016 / p. 20862-20870 : ill <https://doi.org/10.1007/s11356-016-7300-2> Journal metrics at Scopus Article at Scopus Article at WOS

Novel lipophilic fluorophores with highly acidity-dependent two-photon response

Rammo, Matt; Trummal, Aleksander; Uudsemaa, Merle; Pahapill, Jüri; Petritsenko, Katrin; Sildoja, Meelis-Mait; Stark, Charles William; Selberg, Sigrid; Leito, Ivo; Palmi, Kristi; Adamson, Jasper; Rebane, Aleksander Chemistry : a European journal 2022 / p. e202103707 <https://doi.org/10.1002/chem.202103707>

Oksakaliks[4]areeni derivaatide süntees

Ludvig, Mari-Liis; **Peterson, Anna**; **Martõnova, Jevgenija**; **Aav, Riina**; Adamson, Jasper XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 24 : ill

On thermal stability of amine and carboxylic acid-based protic ionic liquids

Kaljusmaa, Liisa-Maria; **Adamson, Jasper**; **Järvik, Oliver** Book of Abstracts of the 7th International Conference on Ionic Liquid-Based Materials 2023 / p. 97 <https://ilmat2023.events.chemistry.pt/book-of-abstracts>

Self-assembly of chiral cyclohexanohemicucurbit[n]urils with bis(Zn porphyrin): size, shape, and time-dependent binding

Šakarašvili, Marko; **Ustrnul, Lukas**; **Suut, Elina**; **Nallaparaju, Jagadeesh Varma**; **Mishra, Kamini Atindrakumar**; **Konrad, Nele**; Adamson, Jasper; **Borovkov, Victor**; **Aav, Riina** Molecules 2022 / art. 937, 13 p. : ill <https://doi.org/10.3390/molecules27030937> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Shortfall of B3LYP in reproducing NMR JCH couplings in some isomeric epoxy structures with strong stereoelectronic effects : a benchmark study on DFT functionals

Adamson, Jasper; Nazarski, Ryszard B.; Jarvet, Jüri; Pehk, Tõnis; **Aav, Riina** ChemPhysChem 2018 / p. 631-642 : ill <https://doi.org/10.1002/cphc.201701125> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Site-selective and stereoselective C–H functionalization of N-Cyclopropylamides via a directed remote metalation strategy

Ermolovich, Yuri; **Barysevich, Maryia V.**; Adamson, Jasper; Rogova, Oksana; **Kaabel, Sandra**; **Järving, Ivar**; **Gathergood, Nicholas**; **Kananovich, Dzmitry** Organic letters 2019 / p. 969-973 : ill <https://doi.org/10.1021/acs.orglett.8b03955> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Solution- and gas-phase study of binding of ammonium and bisammonium hydrocarbons to oxacalix[4]arene carboxylate

Cowart, Anna; **Brük, Mari-Liis**; Žoglo, Nikita; Roithmeyer, Helena; Uudsemaa, Merle; Trummal, Aleksander; Selke, Kaspar; **Aav, Riina**; Kalenius, Elina; Adamson, Jasper RSC advances 2023 / p. 1041–1048 : ill <https://doi.org/10.1039/d2ra07614d>

Thermal stability of amine and carboxylic acid based protic ionic liquids from the perspective of thermal energy storage

Kaljusmaa, Liisa-Maria; **Tubli, Diandra**; **Adamson, Jasper**; **Konist, Alar**; **Järvik, Oliver** Journal of Molecular Liquids 2025 / art. 127396 <https://doi.org/10.1016/j.molliq.2025.127396>

Stereospecific synthesis of cyclic sulfite esters with sulfur-centered chirality via diastereoselective strategy and intramolecular H-Bonding assistance

Hu, Xiaoyun; Yin, Zhongyou; Guo, Jianxin; Adamson, Jasper; Fujiki, Michiya; **Borovkov, Victor** Journal of Organic Chemistry 2021 / p. 379 - 387 <https://doi.org/10.1021/acs.joc.0c02147> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Konrad, Nele; Menailava, 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

Supramolecular control in hemicucurbiturils

Aav, Riina; Kaabel, Sandra; Prigorchenko, Elena; Fomitsenko, 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 / p. PB037

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://fntdk.ut.ee/teesid/>

Synthesis of a novel monofunctionalized hemicucurbit[8]uril

Nguyen, Thi Thanh Ngan; Jarg, Tatsiana; Adamson, Jasper; Kananovich, Dzmitry; Aav, Riina Balticum Organicum Syntheticum (BOS 2024) : Book of Abstracts 2024 / p. 107 https://boschem.eu/bos2024/wp-content/uploads/sites/5/2024/07/BOS2024_Abstract-Book.pdf

Synthesis of oxacalix[4]arene derivatives

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

Synthesis, characterization and catalytic activity of enantiopure triazole-based halogen bond donors

Kaasik, Mikk; Kaabel, Sandra; Metsala, Andrus; Peterson, Anna; Kriis, Kadri; Järving, Ivar; Aav, Riina; Rissanen, Kari; Adamson, Jasper; **Kanger, Tõnis** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 35 : ill <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Thermal decomposition of tris(O-ethylthiocarbonato)-antimony(III) - a single-source precursor for antimony sulfide thin films

Eensalu, Jako Siim; Tõnsuaadu, Kaia; Adamson, Jasper; Oja Acik, Ilona; Krunk, Malle Journal of thermal analysis and calorimetry 2022 / p. 4899-4913 : ill <https://doi.org/10.1007/s10973-021-10885-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tunable chiral triazole-based halogen bond donors : assessment of donor strength in solution with nitrogen-containing acceptors

Peterson, Anna; Kaasik, Mikk; Metsala, Andrus; Järving, Ivar; Adamson, Jasper; **Kanger, Tõnis** RSC advances 2019 / p. 11718–11721 : ill <https://doi.org/10.1039/c9ra01692a> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Unsubstituted oxacalix[n]arenes (n=4 and 8): a conformational study in solution and solid state and interaction studies with aromatic guests

Peterson, Anna; Kaabel, Sandra; Kahn, Iiris; Pehk, Tõnis; Aav, Riina; Adamson, Jasper ChemistrySelect 2018 / p. 9091 - 9095 <https://doi.org/10.1002/slct.201801590> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uudsed nanokapslid muudavad vaktsiinid ja ravimid üha tõhusamaks

Adamson, Jasper Horisont 2025 / lk. 20-24 : ill https://www.ester.ee/record=b1072243*est