

#### **Asymmetric chemoenzymatic one-pot synthesis of $\alpha$ -Hydroxy half-esters**

Murre, Aleksandra; Erkman, Kristin; Järving, Ivar; Kanger, Tõnis ACS Omega 2021 / p. 20686-20698 : ill

<https://doi.org/10.1021/acsomega.1c02973> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Diastereoselective [2,3]-sigmatropic rearrangement of N-allyl ammonium ylides**

Murre, Aleksandra; Erkman, Kristin; Kaabel, Sandra; Järving, Ivar; Kanger, Tõnis Synthesis 2019 / p. 4183–4197

<https://doi.org/10.1055/s-0039-1690185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Efficiency of stereoselective [2,3]-sigmatropic rearrangement reactions = Stereoselektiivsete [2,3]-sigmatroopsete ümberasetusreaktsioonide efektiivsus**

Murre, Aleksandra 2023 <https://doi.org/10.23658/taltech.66/2023> [https://digikogu.taltech.ee/et/Item/b5e0d31c-c48f-47ba-a629-](https://digikogu.taltech.ee/et/Item/b5e0d31c-c48f-47ba-a629-b176661ae385)

[b176661ae385](https://doi.org/10.23658/taltech.66/2023) [https://www.ester.ee/record=b5645593\\*est](https://www.ester.ee/record=b5645593*est)

#### **Enantioselective Michael addition to vinyl phosphonates via hydrogen bond-enhanced halogen bond catalysis**

Kaasik, Mikk; Martõnova, Jevgenija; Erkman, Kristin; Metsala, Andrus; Järving, Ivar; Kanger, Tõnis Chemical science 2021 /

p. 7561-7568 <https://doi.org/10.1039/D1SC01029H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Enantioselective N-Alkylation of Nitroindoles under Phase-Transfer Catalysis**

Trubitsõn, Dmitri; Martõnova, Jevgenija; Erkman, Kristin; Metsala, Andrus; Saame, Jaan; Köster, Kristjan; Järving, Ivar; Leito,

Ivo; Kanger, Tõnis Synthesis 2020 / p. 1047-1059 <https://doi.org/10.1055/s-0039-1690751> [Journal metrics at Scopus](#) [Article at WOS](#)

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

#### **Enantioselective organocatalytic Michael addition to unsaturated indolyl ketones**

Trubitsõn, Dmitri; Martõnova, Jevgenija; Kudrjašova, Marina; Erkman, Kristin; Järving, Ivar; Kanger, Tõnis Organic letters

2021 / p. 1820-1824 <https://doi.org/10.1021/acs.orglett.1c00222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

#### **Enzymatic ways for desymmetrization of malonic derivatives**

Murre, Aleksandra; Erkman, Kristin; Kanger, Tõnis GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts

2020 / p. 64 : ill <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

#### **Multifunctional catalysts in the asymmetric Mannich reaction of malononitrile with N-Phosphinoylimines : coactivation by halogen bonding versus hydrogen bonding**

Kriis, Kadri; Martõnov, Harry; Miller, Annette; Erkman, Kristin; Järving, Ivar; Kaasik, Mikk; Kanger, Tõnis The journal of

organic chemistry 2022 / p. 7422-7435 : ill <https://doi.org/10.1021/acs.joc.2c00674> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal](#)

[metrics at WOS](#) [Article at WOS](#)

#### **N-allüülammooniumüliidide Stevensi [2,3]-ümberasetusreaktsioon**

Murre, Aleksandra; Erkman, Kristin; Kanger, Tõnis XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid

2019 / lk. 29 : ill [https://www.ester.ee/record=b5208044\\*est](https://www.ester.ee/record=b5208044*est)

#### **Primary amines as heterogeneous catalysts in an enantioselective [2,3]-Wittig rearrangement reaction**

Murre, Aleksandra; Mikli, Valdek; Erkman, Kristin; Kanger, Tõnis iScience 2023 / art. 107822, 18 p. : ill

<https://doi.org/10.1016/j.isci.2023.107822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Protocol for the preparation of primary amine-containing catalysts on the resin**

Murre, Aleksandra; Erkman, Kristin; Kanger, Tõnis STAR protocols 2024 / art. 102933, 26 p. : ill

<https://doi.org/10.1016/j.xpro.2024.102933> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Stevens [2,3]-rearrangement of N-allyl ammonium ylides**

Murre, Aleksandra; Erkman, Kristin; Kanger, Tõnis Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja

tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fntdk.ut.ee/teesid-2019/>