

**Diastereoselective multicomponent cascade reaction leading to [3.2.0]-heterobicyclic compounds**

**Ausmees, Kerti; Kriis, Kadri; Pehk, Tõnis; Werner, Franz; Järving, Ivar; Lopp, Margus; Kanger, Tõnis** The journal of organic chemistry 2012 / p. 10680-10687 : ill <https://pubs.acs.org/doi/abs/10.1021/jo3019413>

**Direct asymmetric three-component Mannich reaction catalyzed by chiral counteranion-assisted silver**

Yin, Zhongyou; Guo, Jianxin; Zhang, Rui; **Borovkov, Victor** The journal of organic chemistry 2020 / p. 10369–10377 : ill <https://doi.org/10.1021/acs.joc.0c00031>

**Enantioselective Henry reaction catalyzed by CuII salt and biperidine**

**Noole, Artur; Lippur, Kristin; Metsala, Andrus; Lopp, Margus; Kanger, Tõnis** The journal of organic chemistry 2010 / p. 1313-1316 <https://pubmed.ncbi.nlm.nih.gov/20095538/>

**Enantioselective organocatalytic aza-ene-type domino reaction leading to 1,4-dihydropyridines**

**Noole, Artur; Borissova, Maria; Lopp, Margus; Kanger, Tõnis** The journal of organic chemistry 2011 / p. 1538-1545 <https://pubs.acs.org/doi/10.1021/jo200095e>

**Enantioselective organocatalytic Michael addition of aldehydes to [beta]-nitrostyrenes**

**Laars, Marju; Ausmees, Kerti; Uudsemaa, Merle; Tamm, Toomas; Kanger, Tõnis; Lopp, Margus** The journal of organic chemistry 2009 / p. 3772-3775 <https://pubs.acs.org/doi/full/10.1021/jo900322h>

**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](#)

**Stereodivergent assembly of 2,6-cis- and -trans-tetrahydropyrans via base-mediated oxa-michael cyclization : the key role of the TMEDA additive**

**Masiuk, Uladzimir; Faletrov, Yaroslav; Kananovich, Dzmitry; Mineyeva, Iryna** The journal of organic chemistry 2023 / p. 355-370 <https://doi.org/10.1021/acs.joc.2c02382> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)