

Aerobic oxidations in asymmetric synthesis : catalytic strategies and recent developments

Kananovich, Dzmitry; Elek, Gabor Zoltan; Lopp, Margus; Borovkov, Victor *Frontiers in chemistry* 2021 / art. 614944
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Aminocatalysts are more environmentally friendly than hydrogen-bonding catalysts

Sihtmäe, Mariliis; Silm, Estelle; Kriis, Kadri; Kahru, Anne; Kanger, Tõnis *ChemSusChem* 2022 / art. e202201045, 5 p. : ill
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Asymmetric aminocatalytic Michael addition of cyclopropane-containing aldehydes to nitroalkenes

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Asymmetric diastereoselective synthesis of spirocyclopropane derivatives of oxindole

Ošeka, Maksim; Noole, Artur; Žari, Sergei; Öeren, Mario; Järving, Ivar; Lopp, Margus; Kanger, Tõnis *European journal of organic chemistry* 2014 / p. 3599-3606 : ill <https://doi.org/10.1002/ejoc.201402061> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Asymmetric organocatalytic cascade synthesis of tetrahydrofuranyl spirooxindoles

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Asymmetric organocatalytic Michael addition of cyclopentane-1,2-dione to alkylidene oxindole

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Asymmetric organocatalytic Michael Addition-cyclization cascade of cyclopentane-1,2-dione with substituted α,β -unsaturated aldehydes

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Challenges in mechanistic investigation of a flexible aminocatalyst as demonstrated through enamine formation

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Enantioselective catalytic synthesis of N-alkylated indoles

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Kaasik, Mikk; Kanger, Tõnis Asymmetric Organocatalysis: New Strategies, Catalysts, and Opportunities. Vol. 1 2022 / p. 203-224 <https://doi.org/10.1002/9783527832217.ch6>

Highly enantio- and diastereoselective generation of two quaternary centers in spirocyclopropanation of oxindole derivatives

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3-Chlorooxindoles : versatile starting materials for asymmetric organocatalytic synthesis of spirooxindoles

Noole, Artur; Ošeka, Maksim; Pehk, Tõnis; Öeren, Mario; Järving, Ivar; Elsegood, Mark R. J.; Malkov, Andrei; Lopp, Margus; Kanger, Tõnis Advanced synthesis and catalysis 2013 / p. 829-835 : ill [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)