

Benzynes-mediated nonconcerted pathway toward synthesis of sterically crowded [5]- and [7]oxahelicenoids, stereochemical and theoretical studies, and optical resolution of helicenes

Gawade, Prashant M.; Khose, Vaibhav N.; Badani, Purav M.; **Kaabel, Sandra; Borovkov, Victor** Journal of organic chemistry 2019 / p. 860-868 : ill <https://doi.org/10.1021/acs.joc.8b02507> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chiral heterocycle-based receptors for enantioselective recognition

Khose, Vaibhav N.; John, Marina E.; Pandey, Anita D.; **Borovkov, Victor**; Karnik, Anil V. Chiral Auxiliaries and Chirogenesis 2021 / p. 27-101 <https://doi.org/10.3390/books978-3-0365-1017-0> <https://doi.org/10.3390/sym10020034>

Chiral heterocycle-based receptors for enantioselective recognition

Khose, Vaibhav N.; John, Marina E.; Pandey, Anita D.; **Borovkov, Victor**; Karnik, Anil V. Symmetry 2018 / 75 p : ill <https://doi.org/10.3390/sym10020034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Directional Approach to Enantiomerically Enriched Functionalized [7]Oxa-helicenoids and Groove-Based Selective Cyanide Sensing

Khose, Vaibhav N.; Hasan, Mohammed; Khot, Sushil C.; Mobin, Shaikh M.; **Borovkov, Victor**; Karnik, Anil V. Journal of organic chemistry 2019 / p. 1847-1860 : ill <https://doi.org/10.1021/acs.joc.9b02100>

Sterically congested chiral 7,8-dioxa[6]helicene and its dihydro analogues : synthesis, regioselective functionalization, and unexpected domino Prins reaction

Hasan, Mohammed; Pandey, Anita D.; Khose, Vaibhav N.; Mirgane, Nitin A.; Karnik, Anil V. European journal of organic chemistry 2015 / p. 3702-3712 : ill <http://dx.doi.org/10.1002/efoc.201500327>

Sui Generis helicene-based supramolecular chirogenic system : enantioselective sensing, solvent control, and application in chiral group transfer reaction

Hasan, Mohammed; Khose, Vaibhav N.; Mori, Takuzo; **Borovkov, Victor**; Karnik, Anil V. ACS omega 2017 / p. 592-598 : ill <https://doi.org/10.1021/acsomega.6b00522> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tailor-made supramolecular chirogenic system based on Cs-symmetric rigid organophosphoric acid host and amino alcohols : mechanistic studies, bulkiness effect, and chirality sensing

Hasan, Mohammed; Khose, Vaibhav N.; Pandey, Anita D.; **Borovkov, Victor**; Karnik, Anil V. Organic Letters 2016 / p. 440 - 443 <https://doi.org/10.1021/acs.orglett.5b03477> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)