

Adapting mechanochemical C–N bond forming reactions for greener synthesis of pharmaceuticals

Nikonovich, Tatsiana; Nallaparaju, Jagadeesh Varma; Mishra, Kamini Atindrakumar; Jarg, Tatsiana; Kudrjašova, Marina; Kananovich, Dzmitry; Aav, Riina GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 / art. O21 : ill <https://fmdtk.ut.ee/programm-2023/> <https://fmdtk.ut.ee/wp-content/uploads/2023/05/Nikonovich.pdf>

Breaking barriers in organometallic synthesis with a ball mill

Kananovich, Dzmitry; Nallaparaju, Jagadeesh Varma; Sahoo, Suman; Aav, Riina INCOME 2025 : Book of Abstracts 2025 / p. 63 https://www2.hu-berlin.de/income2025-berlin/INCOME2025_Program_abstracts.pdf

Greener pharmaceutical synthesis via mechanochemical C–N bond formation

Nikonovich, Tatsiana; Nallaparaju, Jagadeesh Varma; Jarg, Tatsiana; Kudrjašov, Artjom 13th Paul Walden Symposium : Program and abstracts 2023 / p. 52 https://walden.osi.lv/wp-content/uploads/2023/09/Abstract_book_Walden_2023.pdf

Mechanochemical activation of alkaline earth metals and its applications in organic synthesis = Mehhanokeemiline leelismuldmetallide aktiveerimine ja selle rakendused orgaanilises sünteesis

Nallaparaju, Jagadeesh Varma 2025 https://www.ester.ee/record=b5755144*est <https://digikogu.taltech.ee/et/Item/2a9a2e46-6d04-489a-a35e-6263a15248dd> <https://doi.org/10.23658/taltech.55/2025>

Mechanochemical barbiere-type grignard addition reactions of organic halides

Nallaparaju, Jagadeesh Varma; Dalidovich, Tatsiana; Aav, Riina; Kananovich, Dzmitry Balticum Organicum Syntheticum (BOS 2022) : program and abstract book 2022 / p. 133 [Kogumik](#)

Mechanochemical birch reduction with low reactive alkaline earth metals

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Mechanochemical birch reduction with low reactive alkaline earth metals : [abstract]

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Mechanochemical conversion of 1,2,3-trichloropropane into homoallylic alcohols

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Mechanochemical nucleophilic substitution of alcohols via isouronium intermediates

Dalidovich, Tatsiana; Nallaparaju, Jagadeesh Varma; Shalima, Tatsiana; Aav, Riina; Kananovich, Dzmitry ChemSusChem 2022 / art. e202102286 <https://doi.org/10.1002/cssc.202102286> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanochemically driven covalent self-assembly of a chiral mono-biotinylated hemicucurbit[8]uril

Suut-Tuule, Elina; Jarg, Tatsiana; Tikker, Priit; Lootus, Ketren-Marlein; Martõnova, Jevgenija; Reitalu, Rauno; Ustrnül, Lukas; Ward, Jas S.; Rjabovs, Vitalijs; Shubin, Kirill; Nallaparaju, Jagadeesh Varma; Vendelin, Marko; Preis, Sergei; Öeren, Mario; Rissanen, Kari; Kananovich, Dzmitry; Aav, Riina Cell reports physical science 2024 / art. 102161 <https://doi.org/10.1016/j.xcrp.2024.102161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanochemistry-amended Barbier reaction as an expedient alternative to Grignard synthesis

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

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