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Greener media for nano catalysts in Suzuki Miyaura reaction

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Highlights

- Greener media used for nano-catalyzed Suzuki Miyaura reaction are reviewed.
- Besides Pd, TM-based nano catalysts like Co, Ni, Cu, Zr, Fe etc. are recapitulated.
- Low cost, biodegradable and efficient supports for nano catalysts evaluated.
- Rationale for stability, efficiency, and selectivity of catalysts is deliberated.
- Mild auxiliaries, easy recovery and reuse of catalysts are highlighted as key attributes.

Abstract

The exponential growth pertaining to the Suzuki–Miyaura(SM) reaction and its appliances in the last decade speaks volumes about its efficiency and effectiveness in the production of pharmaceuticals, polymers, materials, fine chemicals, and the total synthesis of natural products. The usage of less toxic, biocompatible, and common

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