CHIRAL ORGANOCATALYST, MICHAEL ADDITION

The Cover image from Naoki Haraguchi and colleagues for the article on page 1072 represents the successful synthesis of polymer microsphere-supported chiral pyrrolidine catalysts by the precipitation polymerization of vinyl monomers, including a methacrylate monomer functionalized, with chiral pyrrolidine moiety. These polymeric chiral catalysts exhibit high catalytic activity in the asymmetric Michael addition reactions of aldehydes with alkyl vinyl ketones. The hydrophobicity of the support polymer is important for catalytic performance. (DOI: 10.1002/pol.20210128)

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