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1. Introduction. Zeolitic imidazolate frameworks (ZIFs), a new class of metal organic frameworks (MOFs) that have exceptional chemical and thermal stability, are being evaluated for several applications, such as gas adsorption, molecular separation, and catalysis. Up to now, the most general approach for preparing ZIF crystals is the solvothermal method at high temperature ($> 100\text{ }^{\circ}\text{C}$) in ...

General Preamble The primary goal of the Reynolds Cup is to stimulate improvements in analytical techniques and individual skills. The CMS and the organizers of the Reynolds Cup offer this as a service to the scientific community, and depend on the good will and fairness of all involved. The separation of propylene/propane mixtures is one of the most important but challenging processes in the petrochemical industry. A novel zeolitic imidazole framework (ZIF-8) membrane prepared by a facile hydrothermal seeded growth method showed excellent separation performances for a wide range of propylene/propane mixtures. Public Sector tenders and contract opportunities from the UK and EU - OJEU, OJEC public sector tenders and lower value contracts. - Bruker D8 Advance Manual