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Authors: Reza Abedini, Amir Mosayebi, Mania Mokhtari

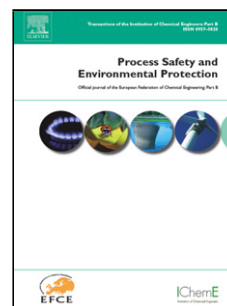
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Improved CO₂ separation of *azide* cross-linked PMP mixed matrix membrane embedded by nano-CuBTC metal organic framework

Reza Abedini^{a,*}, Amir Mosayebi^b, Mania Mokhtari^c

^aFaculty of Chemical Engineering, Babol Noshirvani University of Technology, Babol, Iran

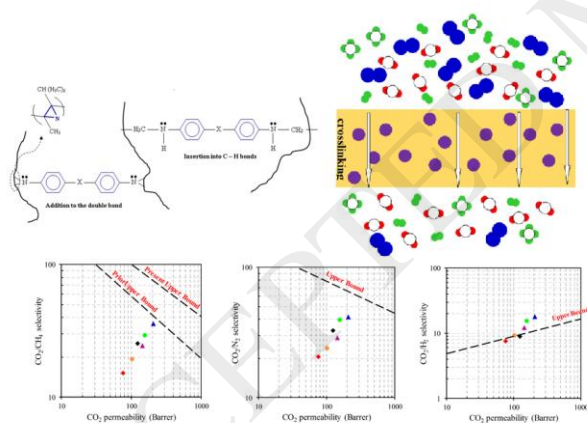
^bDepartment of Chemical Engineering, Tafresh University, Tafresh, Iran

^cDepartment of Chemical Engineering, North Tehran Branch, Islamic Azad University, Tehran, Iran

*Corresponding author: abedini@nit.ac.ir (R. Abedini)

Graphical abstract

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Abstract

The CO₂/light gases separation of azide crosslinked poly(4-methyl-1-pentyne) (PMP), morphology and physical stabilities of membranes were studied. The gases permeability and membrane fractional free volume (FFV) both decreased as the crosslinking percent increased. The

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