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Hydrogen separation by adsorption: Experiments and modelling of  $H_2$ - $N_2$ - $CO_2$  and  $H_2$ - $CH_4$ - $CO_2$  mixtures adsorption on CuBTC and MOF-5

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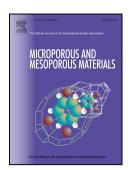
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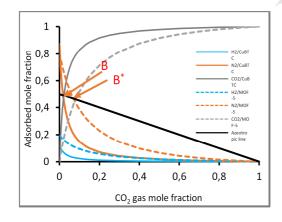
# Hydrogen separation by adsorption: Experiments and Modelling of $H_2$ - $N_2$ - $CO_2$ and $H_2$ - $CH_4-CO_2 \ mixtures \ adsorption \ on \ CuBTC \ and \ MOF-5$

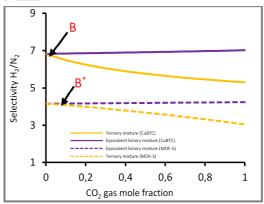
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#### **Graphical abstract**





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