



Functional Porous Materials for Gas Storage and Separations in Emerging Energy Technologies

Guest Editor:

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Message from the Guest Editor

Hydrogen (H₂) and methane (CH₄) are emerging clean fuel alternatives to petroleum derivatives and coal. Meeting the US Department of Energy goals for efficiently storing and transporting these gases is of utmost importance for commercialization of these technologies in different sectors, i.e., energy, transportation, etc. The production of each is further tied to harmful byproduct emissions. Different types of porous materials have been extensively investigated for gas storage, and for H₂ and CH₄ enrichment, and have been instrumental in the successful implementation of the H₂- and CH₄- based economy.

For more information, please click the following link:

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