

Special Issue

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

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:
https://www.mdpi.com/journal/materials/special_issues/porous_materials_gas_storage_separations

Guest Editor

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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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