



Membrane Reactors for CO₂ Reuse

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Membrane-based technologies have attracted attention thanks to the simplicity of their reactor design. CO₂ conversion through a proper coupling of appropriate catalyst and membranes materials could represent a new frontier towards a knowledge-based low carbon and recycle/reuse economy. Reactors for CO₂ reuse seek contributions to assess the state of the art and future developments in this field, with a particular emphasis on CO₂ recovery and reuse.

Topics include, but are not limited to, the architecture and design of membrane reactors, transport phenomena, material development and manufacturing techniques, novel applications, demonstration units and industrial exploitation. Authors are invited to submit their latest ideas and results.

Keywords

- membrane technology
- gas separation
- membrane reactors
- CO₂ capture and reuse





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Message from the Editor-in-Chief

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