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Application of Porous Materials in CO_2 Capture

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Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editors

In this Special Issue, we are looking for contributions helping to:

- Understand the CO_2 capture mechanisms through in situ and simulation analysis;
- Determine the impact of structural properties on the CO_2 capture materials' overall performance;
- Offer design principles of materials with high adsorption capacity and ideal adsorption selectivity for CO_2 capture;
- Develop CO_2 capture systems at the industry scale.

The topics of interest include but are not limited to:

- The design of CO_2 capture systems based on porous materials;
- Industry CO_2 technologies;
- Direct air capture technologies;
- Structure–activity relationship of CO_2 capture materials;
- CO_2 sorption modeling and simulation.

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Message from the Editor-in-Chief

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