Special Issue

Application of Porous Materials in CO_2 Capture

Message from the Guest Editors

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

- Understand the CO2 capture mechanisms through in situ and simulation analysis;
- Determine the impact of structural properties on the CO2 capture materials' overall performance;
- Offer design principles of materials with high adsorption capacity and ideal adsorption selectivity for CO2 capture;
- Develop CO2 capture systems at the industry scale.

The topics of interest include but are not limited to:

- The design of CO2 capture systems based on porous materials;
- Industry CO2 technologies;
- Direct air capture technologies;
- Structure–activity relationship of CO2 capture materials;
- CO2 sorption modeling and simulation.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Clean Technologies (ISSN 2571-8797) is an international, open access journal of novel scientific research on technology development aimed at reducing the environmental impact of human activities. *Clean Technologies* publishes reviews, regular research papers, communications and short notes which show a significant advance in the development of sustainable technology that reduces energy consumption, environmental pollution and/or the use of water and nonrenewable resources. Our aim is to encourage scientists to publish their experimental and theoretical research in detail as open access, serving a trustable base of advance for the scientific community.

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