Special Issue

Applications of Porous Materials in Adsorption

Message from the Guest Editor

Porous materials are a variety of materials that have a porous structure, large surface area, rich porosity, and rich functional groups. They have been widely used in adsorbents for pollutant removal, the storage of CO_2 and H_2, medicine extraction, and enrichment due to their unique pore characteristics. With the development of material synthesis, more and more porous materials have been developed, including molecular sieves, porous carbons, metal-organic frameworks, porous resins, covalent organic frameworks, porous metal oxides, and porous composites, and so on. This Special Issue of *Separations*, "Applications of Porous Materials in Adsorption", is focused on the most recent advances made and studies carried out in the past few years on the synthesis and characterization of various porous materials and their applications in adsorption for different pollutants and gas storage. Research works, review documents, or communications that cover these new concepts, current challenges, and strategies for the synthesis of various porous materials in adsorption applications are welcome. We encourage you to submit your papers for this Special Issue of *Separations*.

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2023)

About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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