

Solar container material gas adsorption instrument

Micromeritics 3Flex Surface and Catalyst Characterization Analyzer is a fully automated, three-station instrument designed for a variety of analyses with superior accuracy, resolution, and data reduction ...

Sensing materials as the core element of gas sensors significantly determine the sensing performance, including sensitivity, stability, selectivity, as well as response and recovery times.

Gas Sorption We offer a wide range of instruments and techniques for the measurement of gas sorption, including: gravimetric, volumetric, and flowing breakthrough measurements at a range of pressures; ...

Conspectus Adsorption has been explored not only to improve gas storage capacity but also to understand the pre-stage of reactions. Porous crystals, such as metal-organic frameworks, ...

The IMI-PSI is designed to investigate gas sorption by nanoporous materials, from sub-ambient pressures to 200 bar. Its inherent flexibility allows both BET surface area analysis and gas storage ...

Adsorption is a mass transfer process whose driving force is the difference of concentration between adsorbate in the fluid (liquid or gas) and solid (adsorbent surface) phases [10].

multicomponent (binary or higher) gas adsorption isotherms provide essential information for assessing adsorbents for a given separation and for process design.3 Obtaining such data, however, is ...

Multi-component selective competitive adsorption function:equippedwith high-pressure micro-circulation system, to solve the problem of multi-component adsorption gas stratification (Volume method).

Porous adsorbents, including activated carbons, zeolites, silicas, and newer materials such as metal-organic frameworks, have been investigated extensively for gas storage and ...

Owing to the remarkable gas adsorption performance and selectivity of MOFs, gas adsorption and storage represent suitable fields for the practical applications of MOF-based materials.

Therefore, for materials which tend to adsorb nitrogen, helium is a better choice as the backfill gas. Helium adsorption at room temperature is negligible, even in the high energy pores of most ...



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