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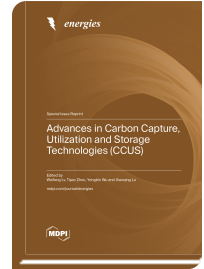
Advances in Carbon Capture, Utilization and Storage Technologies (CCUS)

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CCUS (carbon capture, utilization, and storage) is the technology most commonly recognized globally as being capable of achieving the goal of carbon neutrality. CCUS technology realizes the resource utilization of captured waste CO₂ emissions and effectively stores them in geological bodies such as oil reservoirs, gas reservoirs, and saltwater aquifers, through which both social and economic benefits can be obtained. This reprint contains laboratory studies and systematic reviews regarding micro- and nano-fluidics technology, CO₂ mineralized sequestration with the assistance of microorganisms, the corrosion behavior of CO₂ against steel, oil displacement characteristics, and other topics.



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