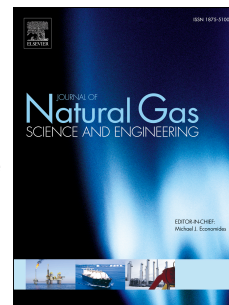


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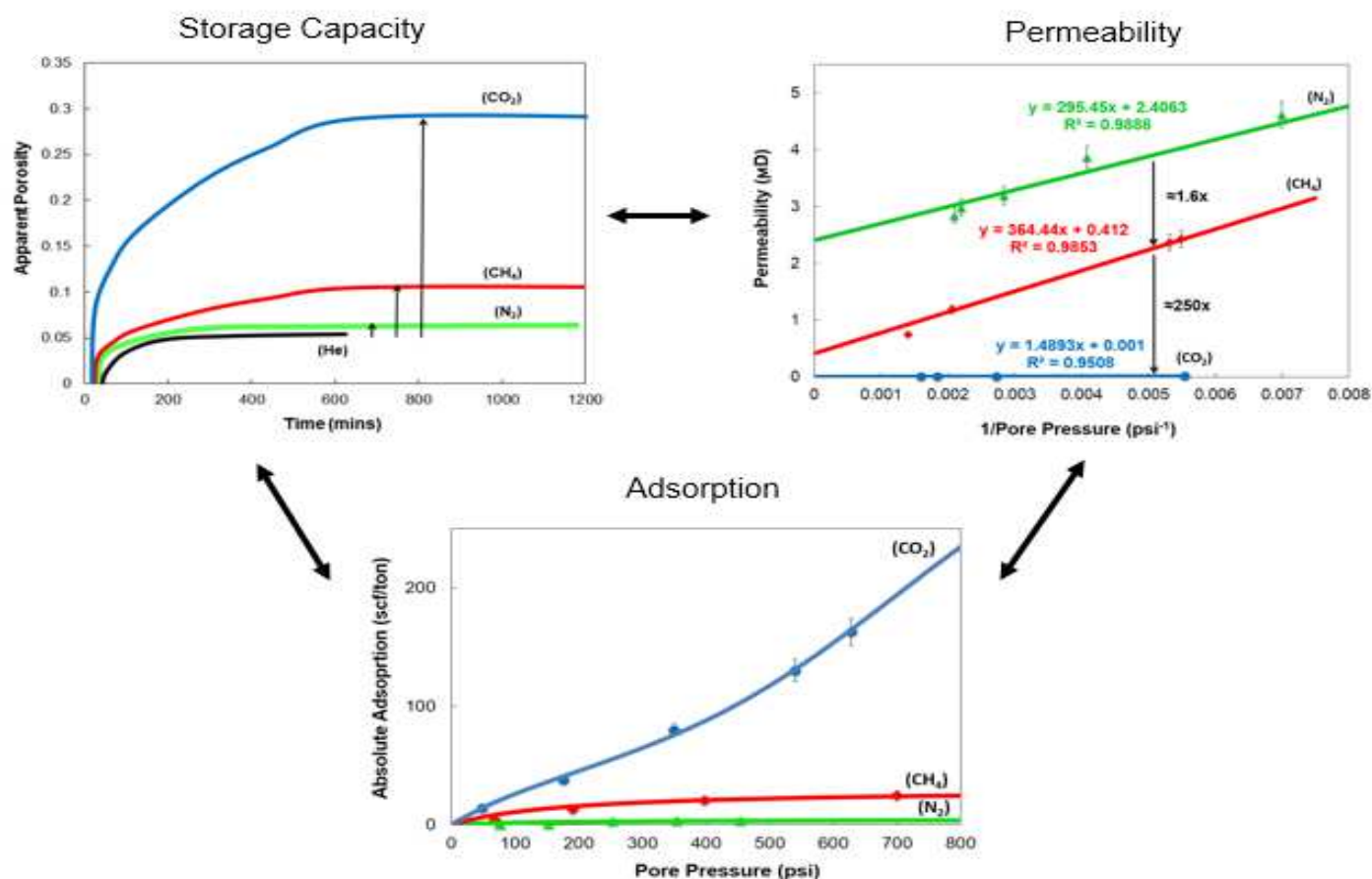
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# Experimental Investigation and Grand Canonical Monte Carlo Simulation of Gas Shale Adsorption from the Macro to the Nano Scale

<sup>1</sup>Hamza Aljamaan, Maytham Al Ismail, Anthony R. Kavscek



We present an apparatus for and simultaneous measurements of gas storage capacity, permeability, and adsorption of shale. The experimental observations were corroborated using a grand canonical Monte Carlo (GCMC) simulation.

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