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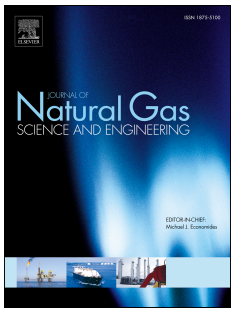

The impact of the volumetric swelling behavior on the water uptake of gas shale

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