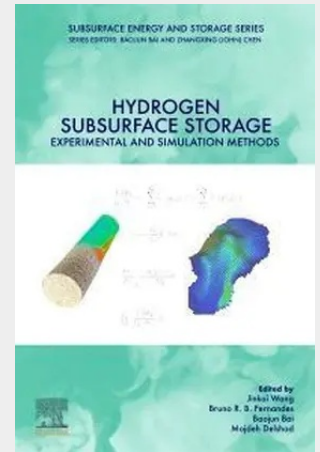


Hydrogen Subsurface Storage

Experimental and Simulation Methods

Hydrogen Subsurface Storage: Experimental and Simulation Methods explores the principles, methods, and processes of underground hydrogen storage (UHS) technologies. This book provides an overview of UHS technologies and types of underground storage sites then delves into the details of reaction processes within hydrogen-rock-fluid systems, fluid flow mechanisms in porous rock, and innovative numerical simulation techniques essential for predicting operational efficiency. Readers will find guidance ideal for reservoir engineers, scientists, and students in the field of subsurface gas storage. Sections highlight the complexities of underground hydrogen storage technologies, equipping users to navigate the challenges and advancements in this rapidly evolving field.

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