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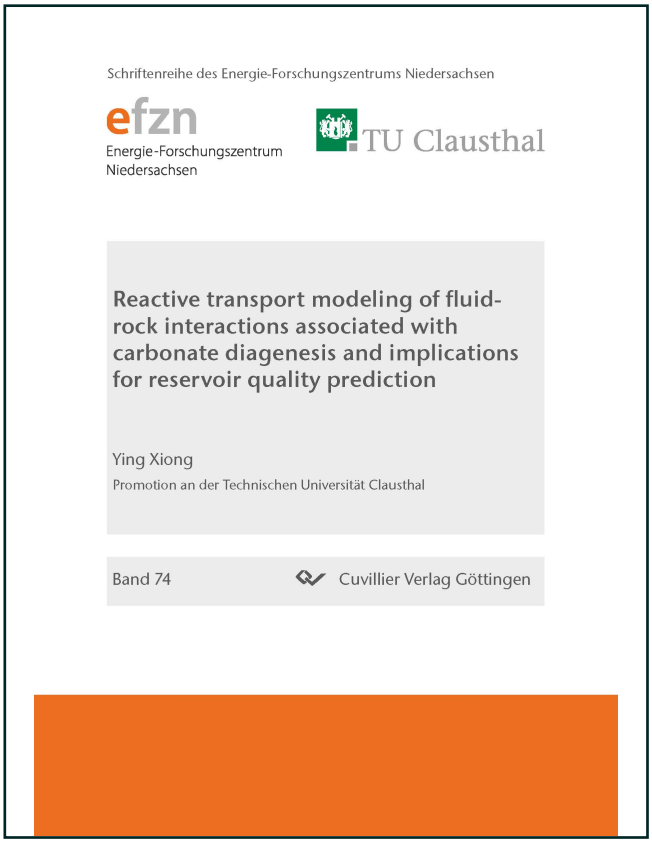
Reactive transport modeling of fluid-rock interactions associated with carbonate diagenesis and implications for reservoir quality prediction



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