

1. Record Nr.	UNINA9910567792603321
Autore	Schmidt Christina
Titolo	Compaction and cementation controls on reservoir quality in Buntsandstein red beds
Pubbl/distr/stampa	Karlsruhe, : KIT Scientific Publishing, 2022
ISBN	1000140255
Descrizione fisica	1 electronic resource (182 p.)
Soggetti	Earth sciences, geography, environment, planning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Reservoir quality in fluvial siliciclastic rocks is variable. Permeability is influenced by micron-scale grain coatings or bedding style on the m-/km-scale. Outcrops allow the analysis of depositional environments and diagenesis, thus an investigation of reservoir quality controls. A process-oriented approach is used to understand variability in a meander deposit, compaction and cementation behavior of lithofacies types during burial and the discrepancy between porosity and permeability values.