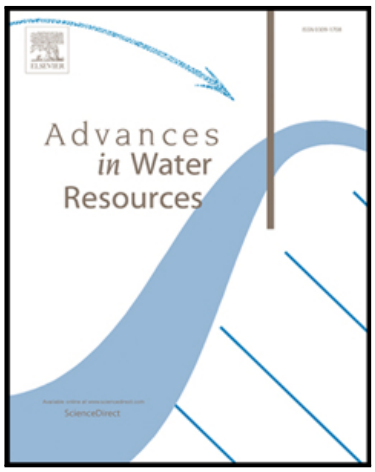

Petrophysical Characterization of Porous Media Starting from Micro-Tomographic Images

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Highlights

- A quasi-static framework is presented to simulate pore-scale displacement scenarios.
- By-passing and snap-off are taken into the account as trapping mechanisms.
- The framework is adopted to deal with fractional- and mixed-wet conditions.
- Post-processing results are in good agreement with available experimental data.