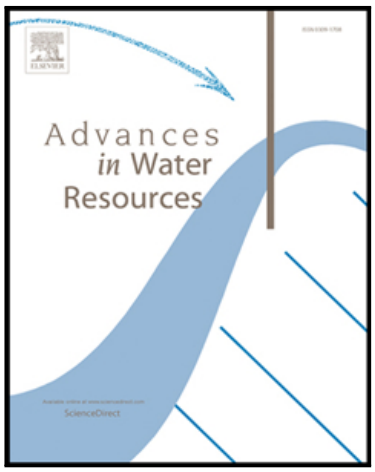

An efficient stochastic approach for flow in porous media via sparse polynomial chaos expansion constructed by feature selection

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Highlights

- An efficient non-intrusive stochastic approach for flow in random porous media
- A small number of samples used to construct sparse polynomial chaos expansion by feature selection
- The algorithm is self-adaptive by adopting Inherited samples and cross validation (CV) error analysis