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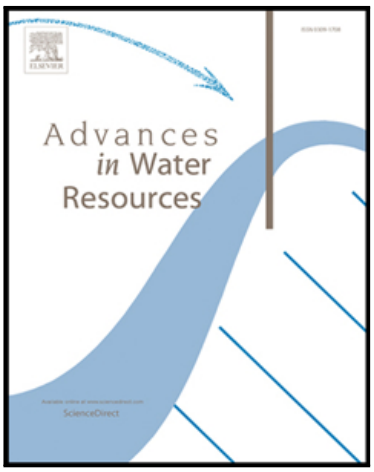

Heterogeneous fluid flow in fractured layered carbonates and its implication for generation of incipient karst

X. Wang , Q. Lei , L. Lonergan , H. Jourde , O. Gosselin , J. Cosgrove

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Highlights

- The bedding plane-to-joints aperture ratio dominates the degree of flow heterogeneity along the bedding planes in karstified rock
- Three distinct flow regimes are identified in these systems that correspond to different aperture ratios
- A method for predicting the type and preferential location of incipient karst is proposed

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