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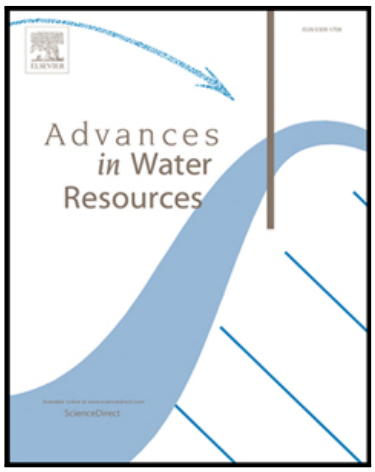

Minimum Requirements for Predictive Pore-Network Modeling of Solute Transport in Micromodels

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Highlights

- Minimum requirements for predictive pore-network modeling of transport determined
- Novel pore-network model and network extraction methods developed
- Compared to direct numerical simulation for a range of micromodel heterogeneities
- Impact of established network modeling practices on predictions assessed

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