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Surrogate model based iterative ensemble smoother for subsurface flow data assimilation

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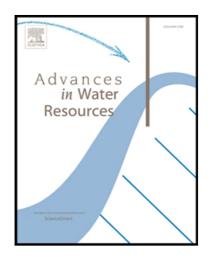
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Highlights

- A surrogate model based iterative ensemble smoother is proposed.
- The PCE surrogate and the interpolation surrogate are adopted for illustration.
- Both single-phase flow and multi-phase flow cases are discussed.
- Comparison with the traditional iterative ensemble smoother is provided.

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