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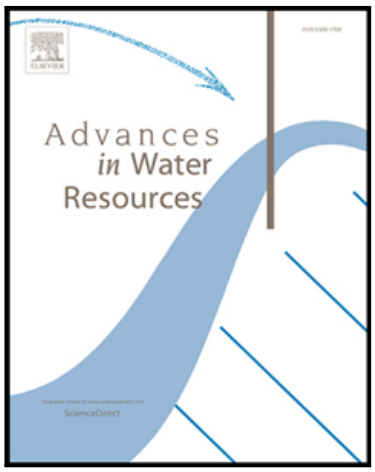

Stochastic modeling of wetland-groundwater systems

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Highlights

- Coupled temporal dynamics of wetlands and groundwater under stochastic hydroclimatic forcing are examined.
- Analytical pdfs and mean crossing times are used to investigate wetland hydrologic temporal variability.
- Few scaled physically-based parameters govern stage/volume temporal dynamics.
- Analytical pdf models are compared with observational data from two case studies.

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