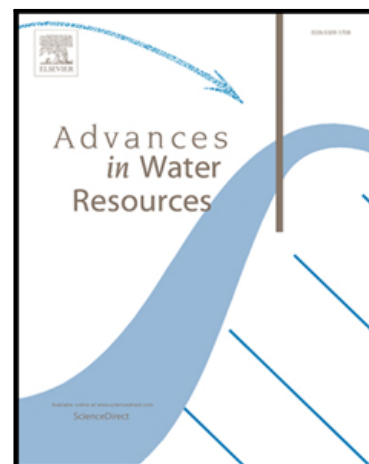


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Temporal evolution of soil moisture statistical fractal and controls by soil texture and regional groundwater flow

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Highlights

- Soil moisture statistical fractal temporal evolution shows seasonal trends and a three-phase event-induced hysteretic patterns
- Soil texture is the main cause of hysteresis in fractal temporal evolution; groundwater has important influences that interact with other factors
- We separated out the effects of different controls and generalized phenomenological rules that govern fractal evolution

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