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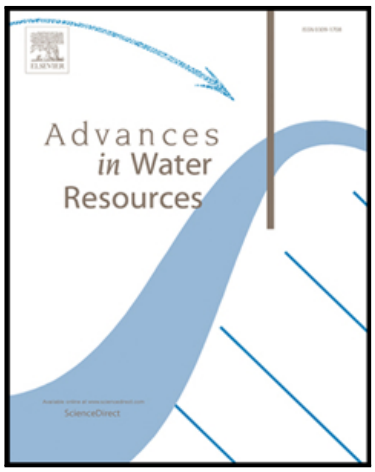

A functional framework for flow-duration-curve and daily streamflow estimation at ungauged sites

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Highlights

- Functional regression is proposed for flow duration curve estimation.
- Framework and benefits of functional approach are provided.
- The approach is recommended to estimate a number of flow duration curve quantiles.
- Insight into descriptor influence on flow duration curve quantiles is supplied.
- Improved daily streamflow estimates are obtained for most sites.

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