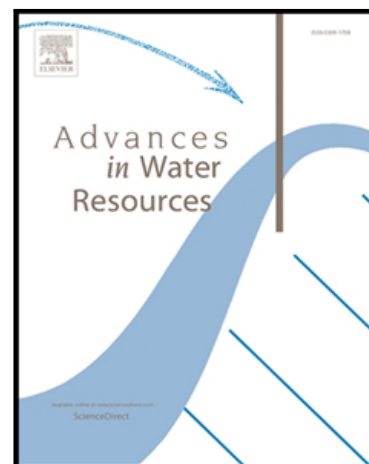


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Exploring hydro-meteorological drought patterns over the Greater Horn of Africa (1979–2014) using remote sensing and reanalysis products

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Highlights

- Identification of 4 statistically independent regions facing hydro-meteorological droughts
- Hydrological and meteorological droughts are highly correlated over tropic regions
- Inconsistencies were found between MERRA and GRACE TWS over semi-arid regions
- IOD indicated bigger inter-annual impact on hydro-meteorological drought than ENSO
- Prolonged (39 months) meteorological drought was found over Sudan-western Ethiopia

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