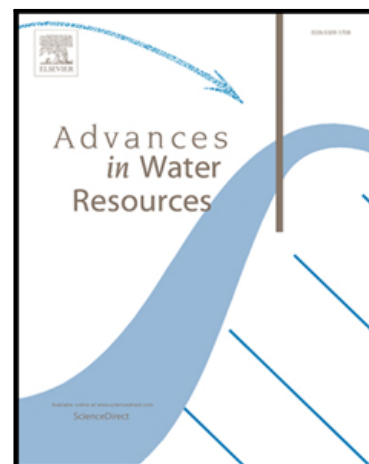


TRANSIENT ANALYSIS OF ADVANCING CONTACT ANGLE  
MEASUREMENTS ON POLISHED ROCK SURFACES

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**HIGHLIGHTS**

- Dynamic behavior of water droplets was investigated on polished rock surfaces
- Changes droplet morphology occurred over time due to spreading and imbibition
- Contact angles were estimated immediately following droplet diameter stabilization
- Estimates are more meaningful than using the initial value or averaging over time
- There were statistically significant differences in contact angles among rock types

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