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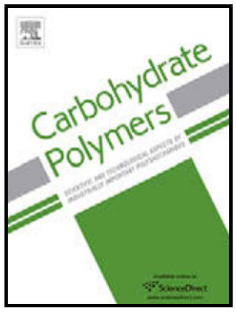

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Water vapor sorption properties of TEMPO oxidized and sulfuric acid treated cellulose nanocrystal films

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Highlights

- An investigation on water vapor sorption behavior of two nanocellulose films was achieved.
- Significant differences in sorption hysteresis and kinetics were confirmed.
- The modulus of nanocellulose film was calculated using Kelvin-Vogit model.

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