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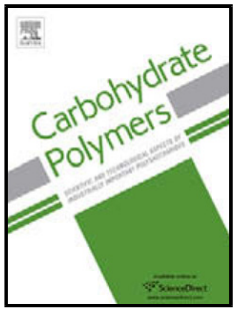

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Core-shell cellulose nanofibers for biocomposites – nanostructural effects in hydrated state

Kasinee Prakobna,[a,b] Camilla Terenzi,[b,c] Qi Zhou,[b,d] István Furó[c,e] and Lars A. Berglund[*a,b]

Highlights:

- Core-shell cellulose/xyloglucan nanocomposites
- Excellent hygromechanical properties
- Mechanical properties of wet gels, soaked films, and solid films
- Nanostructure effects on molecular mobility of water

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