Some cellulose questions

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Isolated cellulose I

Normal temperatures and pressures

Dry and wet, pH, ionic strength











Cellulose – Water interaction

Is there water inside the fibril aggregates?

Model cross-sections of cellulose fibril aggregates







Solid state NMR: CP/MAS ¹³C-NMR





Models and interpretation of the C4 region





...additional questions

- The nature of inter-fibril joints during "hornification"
- Cross-sectional shape of more exotic celluloses; algae, bacterial...
- Fibril lateral dimension enlargement accompanies some forms of hydrolysis
- State of cellulose in solutions, solution or sol?



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