

Synthesis of cellulose nanocrystals bearing photocleavable polystyrene grafts by ATRP

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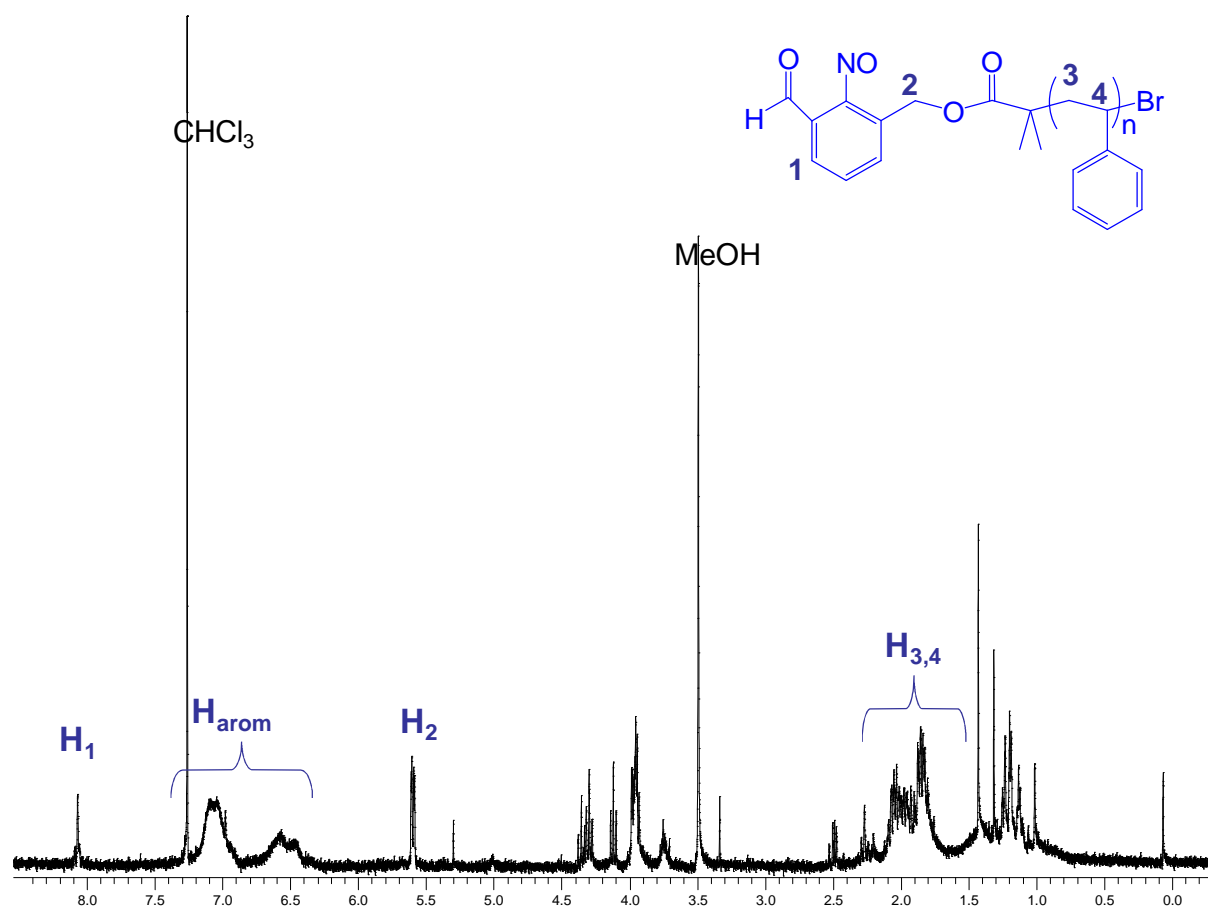
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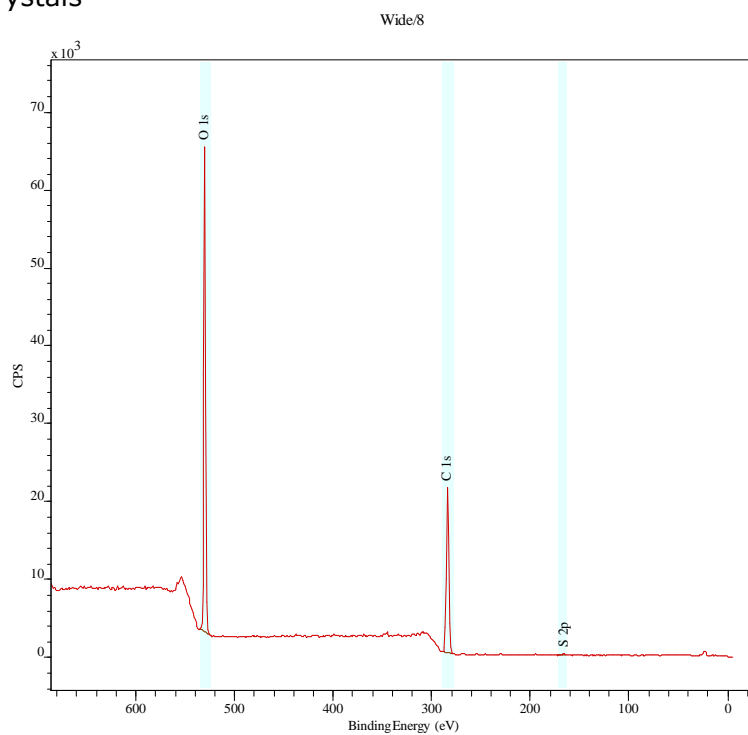
Supporting Information

1H-NMR spectrum of the degrafted chains with peak assignments for the expected degrafted chain

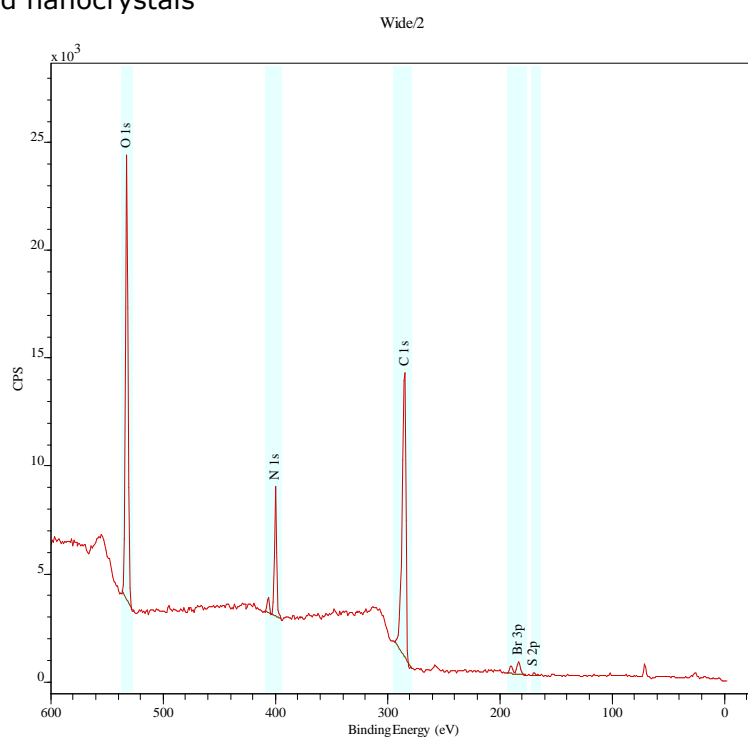


XPS results – Wide scan

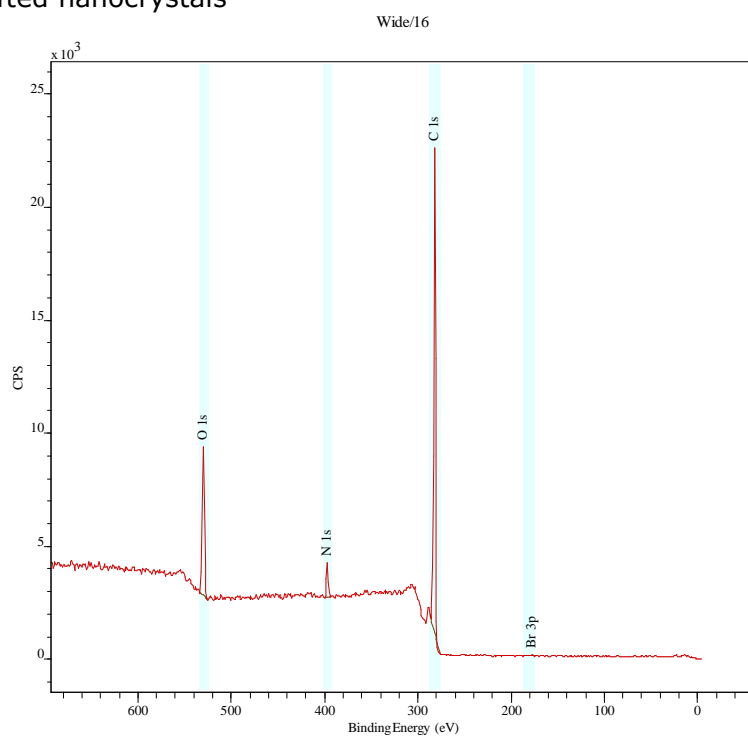
Cellulose nanocrystals



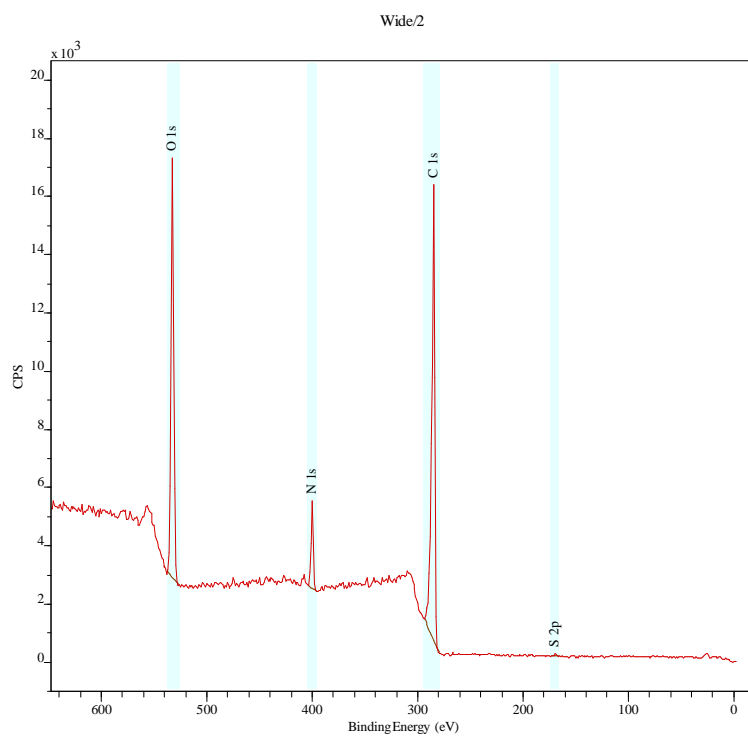
Initiator modified nanocrystals



Polystyrene-grafted nanocrystals

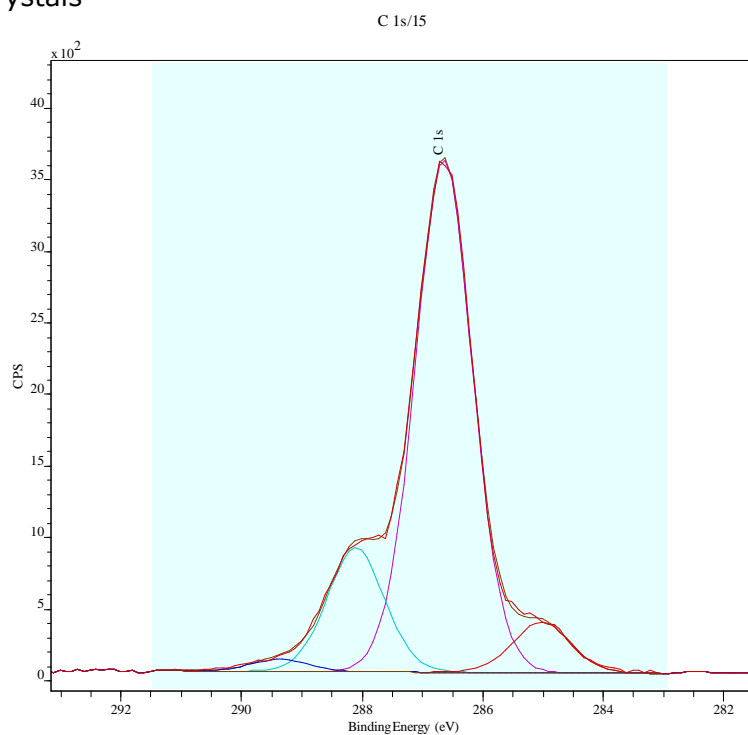


UV-degraded nanocrystals

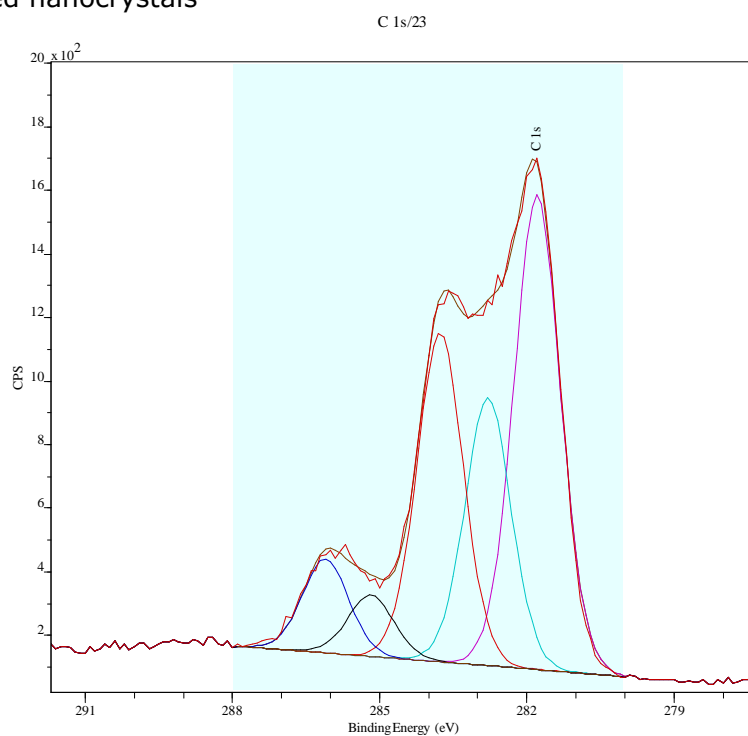


XPS results – C1s spectra and deconvolution

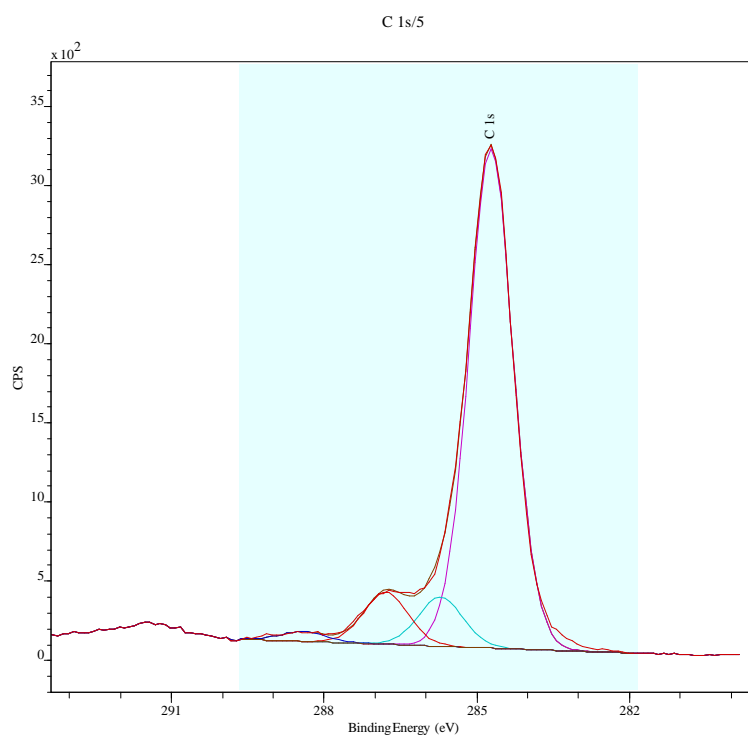
Cellulose nanocrystals



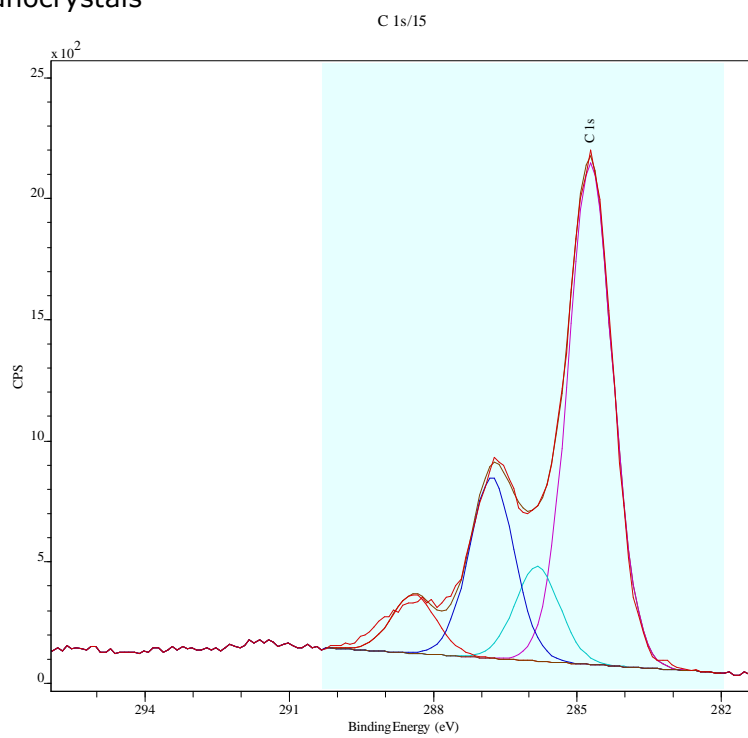
Initiator-modified nanocrystals



Polystyrene-grafted nanocrystals

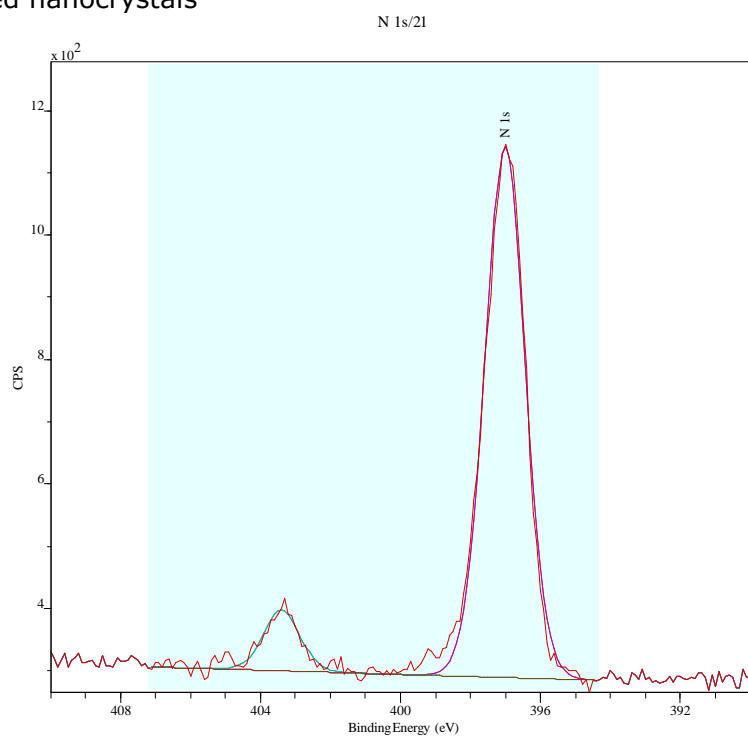


UV-degraded nanocrystals

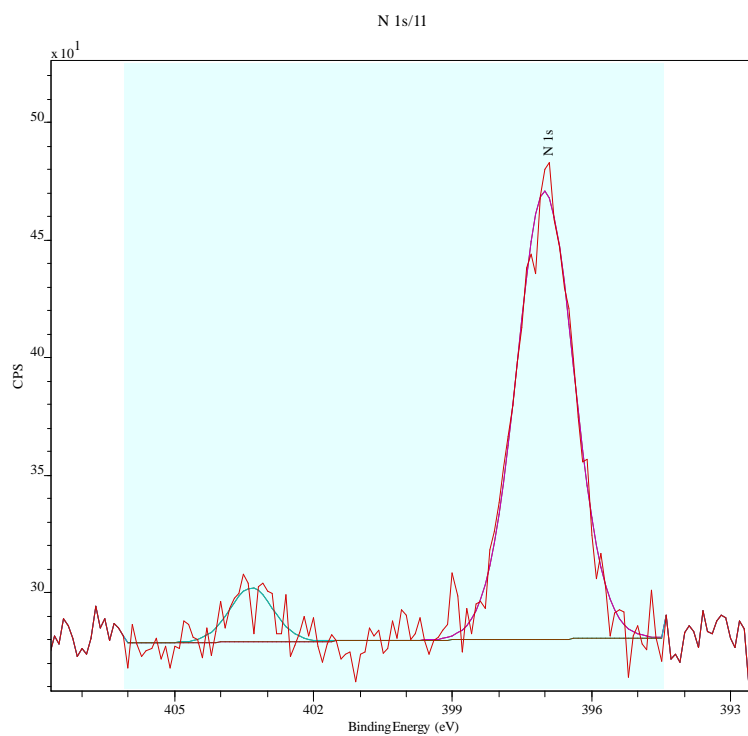


XPS results – N1s spectra and deconvolution

Initiator-modified nanocrystals



Polystyrene-grafted nanocrystals



UV-degrafted nanocrystals

