

SUPPORTING INFORMATION

Surface Alkylation of Cellulose Nanocrystals to Enhance their Compatibility with Polylactide

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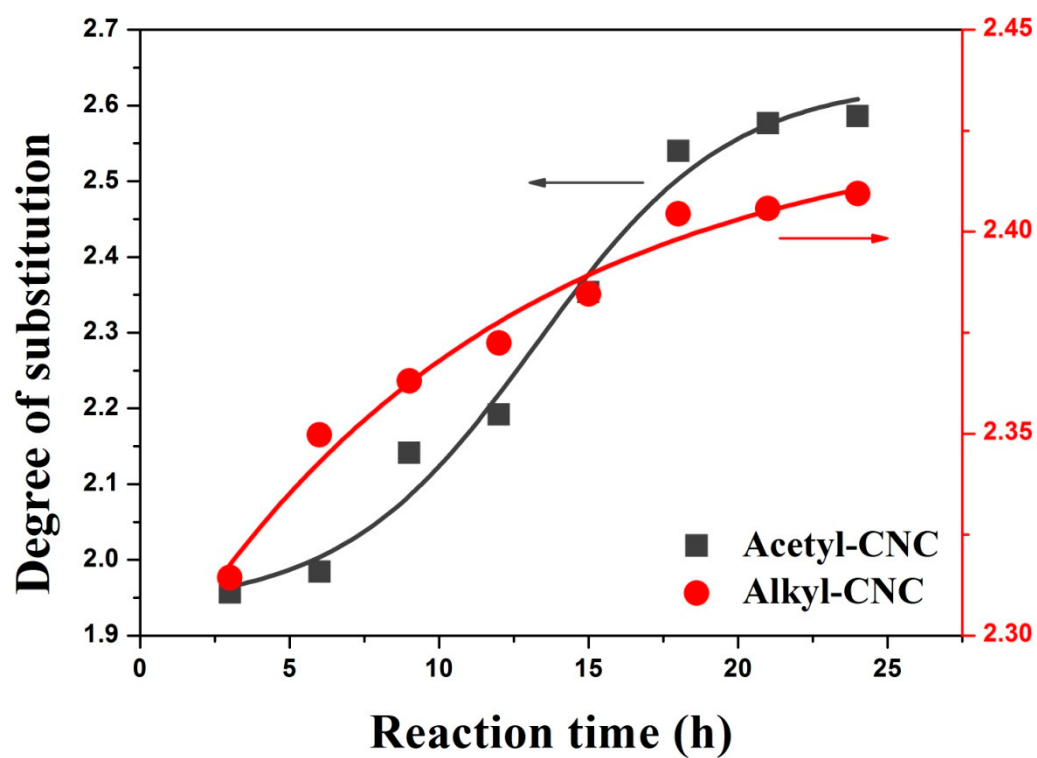


Figure S1. Degree of substitution of modified CNCs as a function of reaction time.

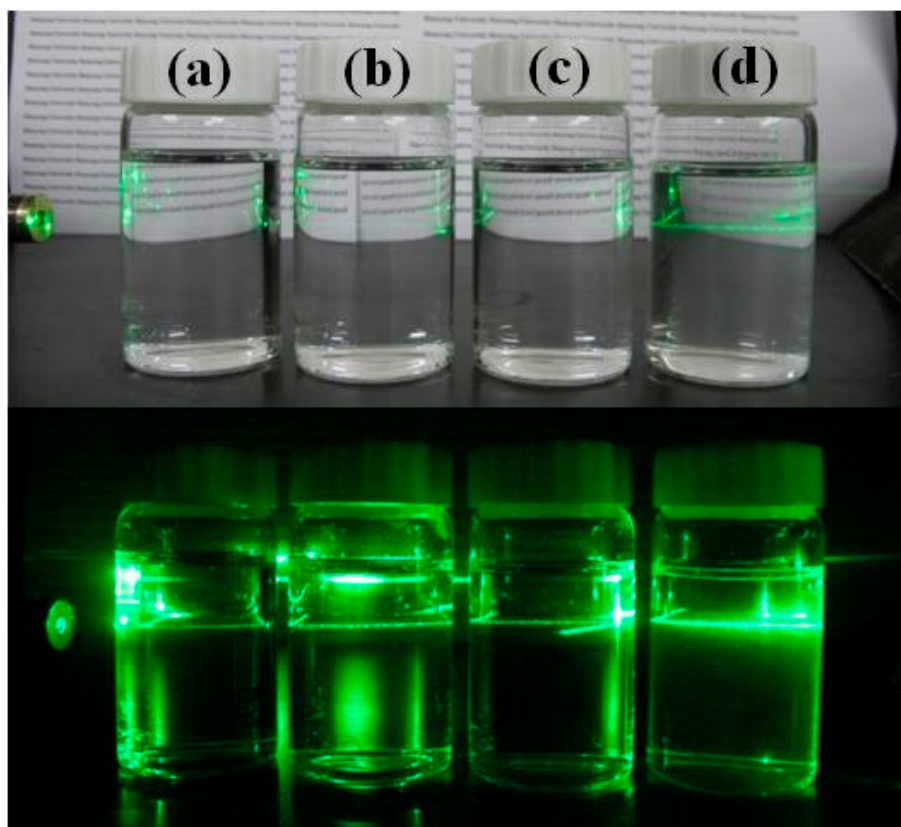


Figure S2. (a) Chloroform and dispersion states of (b) acetyl-CNC, (c) alkyl-CNC, and (d) CNC in chloroform.

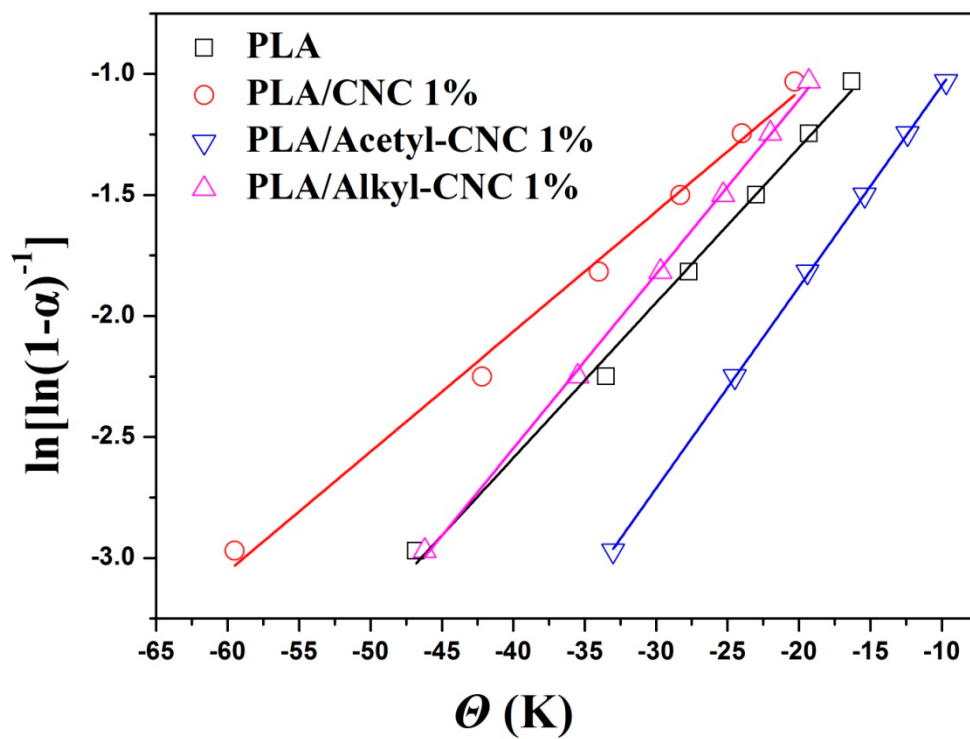


Figure S3. Horowitz-Metzger plots for obtaining E_a of the neat PLA and PLA nanocomposites.

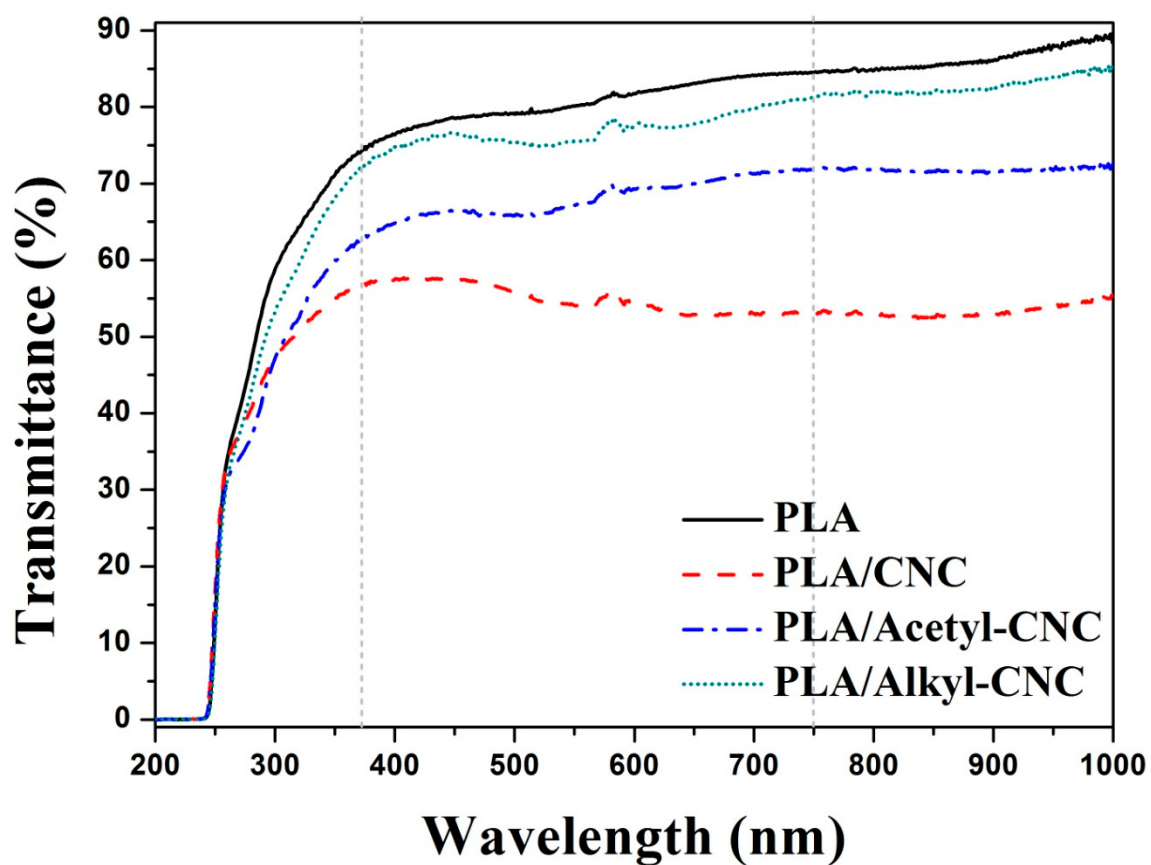


Figure S4. Transmittance curves for the neat PLA and PLA nanocomposites reinforced with 1 wt% of reinforcements.