

# Supplementary Material

## Enhanced Pickering Emulsion Stabilization of Cellulose Nanocrystals and application for reinforced and hydrophobic coatings

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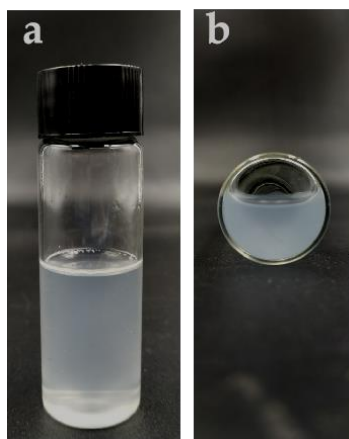
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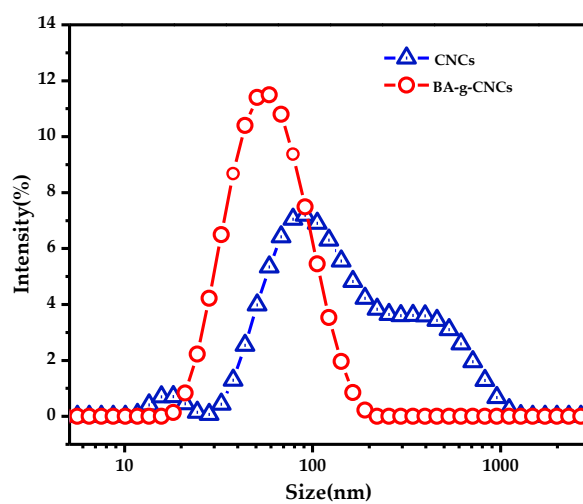
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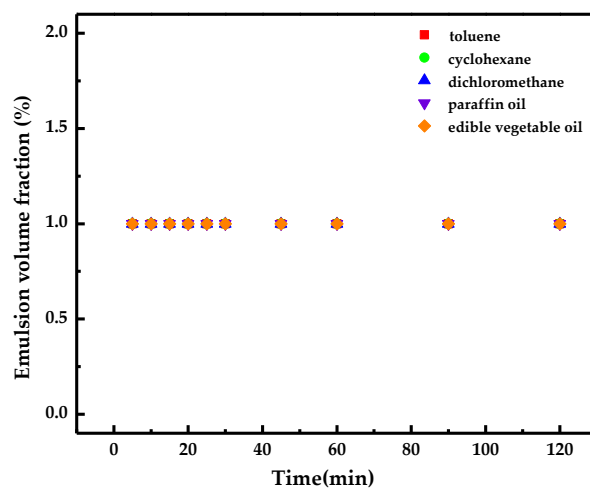
**Figure S1.** Physical appearances of BA-g-CNCs powder



**Figure S2.** Appearance of the front (a) and bottom(b) of 0.4% (w/v) BA-g-CNCs solution with 13% of BA content.



**Figure S3.** DLS of CNCs and BA-g-CNCs



**Figure S4.** Emulsion volume fraction Pickering emulsions stabilized by BA-g-CNCs in different oil dispersion