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Title: Surface-initiated atom transfer radical polymerization from chitin nanofiber macroinitiator film

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## 1    **Highlights**

2    Chitin nanofiber (CNF) film was used for surface-initiated graft polymerization.

3    It derived to macroinitiator for atom transfer radical polymerization (ATRP).

4    Surface-initiated graft ATRP of acrylate monomer from the product was performed.

5    The analytical results showed the production of CNF-graft-polyacrylate film.

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