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In situ synthesis and modification of cotton fibers with bismuthoxychloride and titanium dioxide nanoparticles for photocatalytic applications

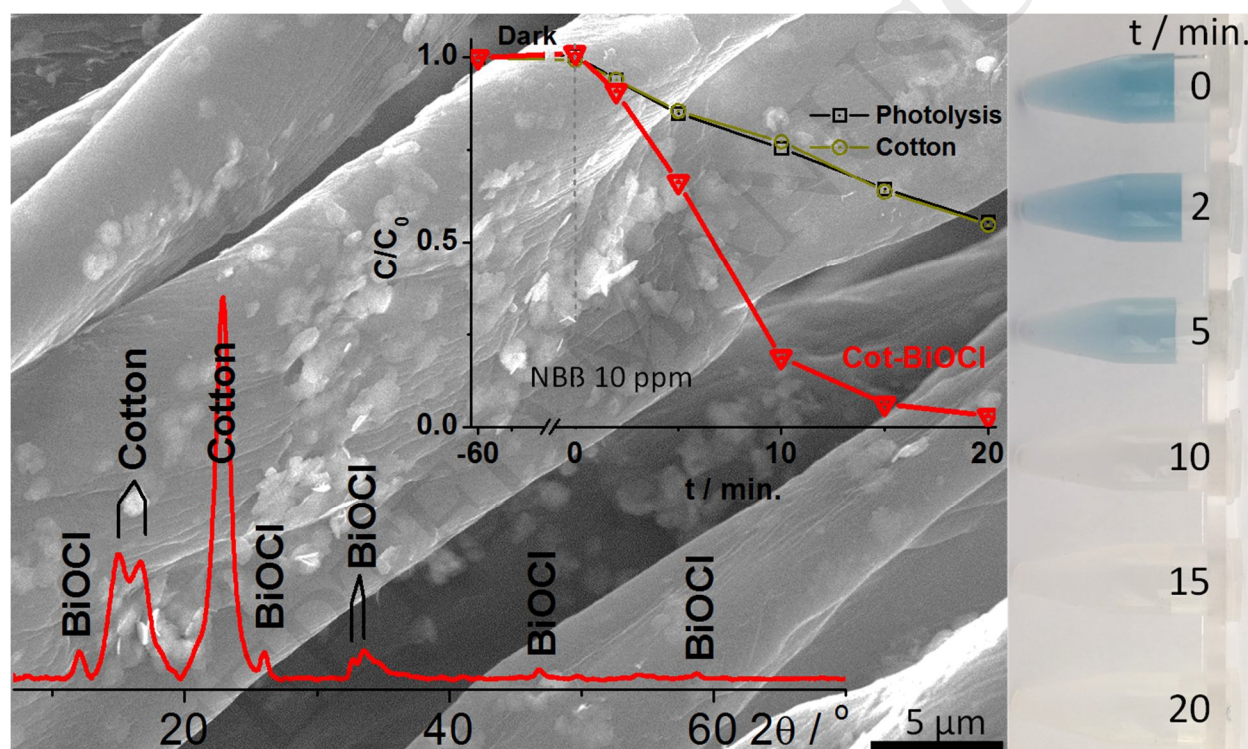
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Graphical abstract



Highlights

- Novel Cotton-BiOCl composites have been successfully prepared
- Fibers modification by straightforward *in situ* room temperature approach
- Cotton-NPs composites display photocatalytic properties towards dye degradation
- Application for environmentally-smart fabrics development

Abstract

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