## Accepted Manuscript

Title: Photochromic Properties of Stimuli-Responsive Cellulosic Papers Modified by Spiropyran-Acrylic Copolymer in Reusable pH-Sensors

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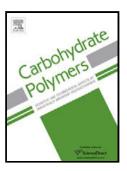
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## ACCEPTED MANUSCRIPT

Photochromic Properties of Stimuli-Responsive Cellulosic

Papers Modified by Spiropyran-Acrylic Copolymer in

Reusable pH-Sensors

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## Highlights

- Preparation of photochromic chemosensors based on spiropyran
- Stimuli-responsive papers with pH-responsivity
- Chemical modification of cellulosic papers with functionalized acrylic latex particles
- Study on photo-switchablity, photofatigue resistant and kinetic of photoisomerization

#### **Abstract**

Photochromic chemosensors based on spiropyran have attracted great attentions in recent years. Here, stimuli-responsive papers were prepared by chemical attachment of epoxy functionalized

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