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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-switchability, 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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