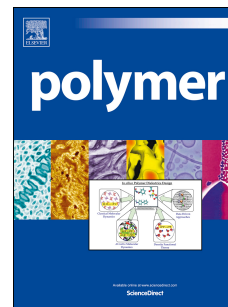


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Polymer brushes modified by photosensitive azobenzene containing polyamines

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ABSTRACT

This paper describes a strategy for preparing photosensitive polymeric grafts on flat solid surfaces by loading diblock-copolymer or homopolymer brushes with cationic azobenzene-containing surfactants. In contrast to previous work, we utilize photosensitive surfactants that bear positively-charged polyamine head groups whose charge varies between 1+ and 3+. Poly(methyl methacrylate-*b*-methacrylic acid) (PMMA-*b*-PMAA) brushes were prepared by employing atom transfer radical

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