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| Autore | Feng Chuanliang |
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| ISBN | 981-336-869-1 |
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| Soggetti | Polymers
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| Nota di contenuto | Reactive Platforms for Controllable Fabrication of Functional (Bio) interfaces -- Surface Reactions and Fabrication of Bioreactive Platforms |

-- Confinement Effects on the Reactivity in Ultrathin Polymer Films --
Reactive Thin Polymer Films as Platforms for the Immobilization of
Biomolecules -- Tailored Biointerfaces via Derivatization of
Polystyrene-*b*-Poly(*tert*-butyl acrylate) Thin Films -- Fabrication of
Robust Biomolecular Patterns by Reactive Microcontact Printing on NHS
Ester Containing Polymer Films -- Reactive CP on Ultrathin Block
Copolymer Films -- Nanofabrication on Reactive Block Copolymer Film
Platforms -- Outlook.

Sommario/riassunto

This book introduces readers to interfacial reactions in confinement on stimuli-responsive homopolymer and diblock copolymer films. It also includes investigations concerning the immobilization of (bio)molecules and the fabrication of biomolecular patterns by reactive microcontact printing on these reactive polymer films. In turn, the book takes advantage of the microphase separation of diblock copolymer films to study the fabrication of nanopatterns, which could contribute to the future development of a model system that allows us to area-selectively deposit and address (bio)molecules. Given its scope, the book broadens readers' perspective on the microfabrication of stimuli-responsive polymers.
