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Autore	Padeste Celestino
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Heavy Ions"; "2.6 Conclusions"; "References"; "3 Initiator Immobilization Strategies for Structured Brushes"; "3.1 General Initiator Patterning Strategies"; "3.2 Patterning Strategies for Atom Transfer Radical Polymerization"; "3.2.1 Initiator Immobilization and Patterning on Silicon Substrates"
"3.2.2 Polymers with Functional Groups for Initiator Immobilization"
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"5.2.3 Fluorescence Spectroscopy"

Sommario/riassunto

Polymers have proven to be very suitable materials for topographic structuring, in particular in nanoreplication processes. Micro- and Nanografting strategies address the possibility for the formation of chemical patterns and structures on or in polymeric substrates using relatively simple processes. Polymer Micro- and Nanografting focuses on grafting techniques characterization and applications for the particular combination of polymer layers on polymer substrates. The authors, leaders in this area of research, provide a comprehensive survey on polymer-on-polymer grafting, covering the latest
