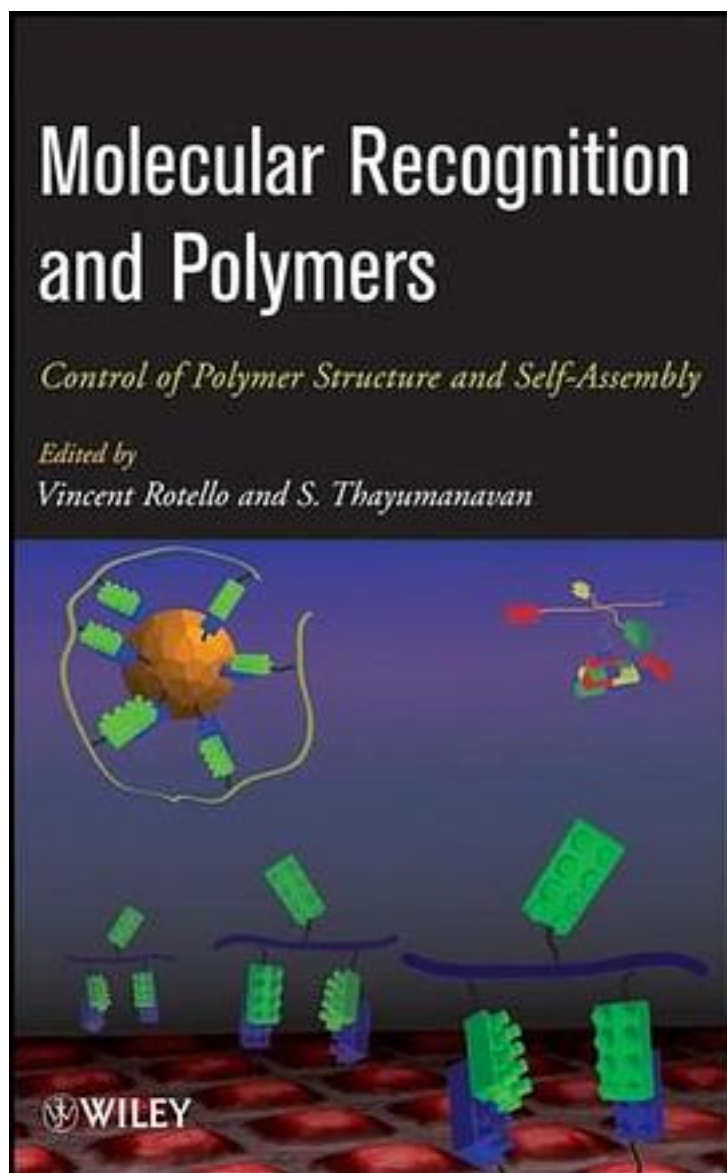


# Molecular Recognition and Polymers



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出版者:

出版时间:2008-9

装帧:

isbn:9780470277386

State-of-the-art techniques for tapping the vast potential of polymers

The use of specific non-covalent interactions to control polymer structure and properties is a rapidly emerging field with applications in diverse disciplines. *Molecular Recognition and Polymers* covers the fundamental aspects and applications of molecular recognition—in the creation of novel polymeric materials for use in drug delivery, sensors, tissue engineering, molecular imprinting, and other areas. This reference begins by explaining the fundamentals of supramolecular polymers; it progresses to cover polymer formation and self-assembly with a wide variety of examples, and then includes discussions of biomolecular recognition using polymers.

With chapters contributed by the foremost experts in their fields, this resource:  
Provides an integrated resource for supramolecular chemistry, polymer science, and interfacial science  
Covers advanced, state-of-the-art techniques used in the design and characterization of non-covalent interactions in polymers  
Illustrates how to tailor the properties of polymeric materials for various applications  
Stand-alone chapters address specific applications independently for easy reference. This is a premier resource for graduate students and researchers in polymer chemistry, supramolecular chemistry, materials science, and physical organic chemistry.

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