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Nota di contenuto	Frontmatter -- Preface -- Acknowledgments -- Contents -- List of Figures -- List of Tables -- Chapter 1. Ionic living polymerization -- Chapter 2. Group transfer polymerization -- Chapter 3. Living controlled polymerization of free radical -- Chapter 4. Synthesis of dendrimers and hyperbranched polymers -- Chapter 5. Open-loop disproportionation polymerization -- Chapter 6. Click chemistry -- Chapter 7. Macromolecular self-assembly -- Chapter 8. Carbon nanomaterials and their polymer modifications -- Index
Sommario/riassunto	The book systematically presents fundamental principles, properties, implementation methodologies, technologies and applications of polymer synthesis. Ring opening metathesis polymerization, click chemistry, macromolecular self-assembly, carbon nanomaterials and their modification with polymers are discussed in detail. With abundant illustrations, it is an essential reference for polymer chemists, material scientists, and graduate students.