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1.3.1.2 Polyglycolide or Poly(glycolic acid)1.3.1.3 Poly(caprolactone); 1.4 Concluding Remarks; Acknowledgment; References; Chapter 2 Functional (Bio)degradable Polyesters by Radical Ring-Opening Polymerization; 2.1 Introduction; 2.2 Radical Ring-Opening Polymerization (RROP) of Cyclic Ketene Acetals; 2.2.1 Starting Monomers: Cyclic Ketene Acetals; 2.2.2 Radical Ring-Opening Polymerization Mechanism; 2.2.3 Functional Polyesters by Conventional and Controlled Radical Homopolymerization of CKAs; 2.2.4 Functional Polyesters by Copolymerization of CKAs and Vinyl Monomers; 2.3 Conclusions
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4.1.2 Production of 1,3-Propanediol

Sommario/riassunto

Collating otherwise hard-to-get and recently acquired knowledge in one work, this is a comprehensive reference on the synthesis, properties, characterization, and applications of this eco-friendly class of plastics. A group of internationally renowned researchers offer their first-hand experience and knowledge, dealing exclusively with those biodegradable polyesters that have become increasingly important over the past two decades due to environmental concerns on the one hand and newly-devised applications in the biomedical field on the other. The result is an unparalleled overview for the

