Record Nr.	UNINA9910254142003321
Titolo	Polymer Crystallization II : From Chain Microstructure to Processing / / edited by Finizia Auriemma, Giovanni Carlo Alfonso, Claudio De Rosa
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-50684-6
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VII, 297 p. 125 illus., 90 illus. in color.)
Collana	Advances in Polymer Science, , 0065-3195 ; ; 277
Disciplina	547.7
Soggetti	Polymers Phase transitions (Statistical physics) Materials—Surfaces Thin films Solid state physics Surfaces (Physics) Interfaces (Physical sciences) Polymer Sciences Phase Transitions and Multiphase Systems Surfaces and Interfaces, Thin Films Solid State Physics Surface and Interface Science, Thin Films
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Concomitant crystallization and cross-nucleation in polymorphic polymers Epitaxial effects on polymer crystallization Micro- Structure of Banded Polymer Spherulites: New Insights from Synchrotron Nano-Focus X-ray Scattering Real-time fast structuring of polymers using synchrotron WAXD/SAXS techniques Strain- induced crystallization in natural rubber Non-isothermal crystallization of semi-crystalline polymers: The influence of cooling rate and pressure Modeling fow-induced crystallization.
Sommario/riassunto	The series Advances in Polymer Science presents critical reviews of the present and future trends in polymer and biopolymer science. It covers

1.

all areas of research in polymer and biopolymer science including chemistry, physical chemistry, physics, material science. The thematic volumes are addressed to scientists, whether at universities or in industry, who wish to keep abreast of the important advances in the covered topics. Advances in Polymer Science enjoys a longstanding tradition and good reputation in its community. Each volume is dedicated to a current topic, and each review critically surveys one aspect of that topic, to place it within the context of the volume. The volumes typically summarize the significant developments of the last 5 to 10 years and discuss them critically, presenting selected examples, explaining and illustrating the important principles, and bringing together many important references of primary literature. On that basis, future research directions in the area can be discussed. Advances in Polymer Science volumes thus are important references for every polymer scientist, as well as for other scientists interested in polymer science - as an introduction to a neighboring field, or as a compilation of detailed information for the specialist. Review articles for the individual volumes are invited by the volume editors. Single contributions can be specially commissioned. Readership: Polymer scientists, or scientists in related fields interested in polymer and biopolymer science, at universities or in industry, graduate students.