Record Nr.	UNINA9910786835203321
Titolo	Key elements in polymers for engineers and chemists : from data to applications / / edited by Alexandr A. Berlin, DSc, Viktor F. Kablov, DSc, Andrey A. Pimerzin, DSc, and Simon S. Zlotsky, PhD ; Gennady E. Zaikov, DSc, and A.K. Haghi, PhD, revie
Pubbl/distr/stampa	Waretown, N.J. : , : Apple Academic Press, Inc., , [2014] ©2014
ISBN	0-429-17218-4 1-4822-3098-4
Edizione	[First edition.]
Descrizione fisica	1 online resource (444 p.)
Disciplina	547.7 547/.7
Soggetti	Polymerization - Data processing Polymers - Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; About The Editors; Reviewers And Advisory Board Members; Contents; List Of Contributors; List Of Abbreviations; Preface; Chapter 1 Raft-polymerization Of Styrene-kinetics And Mechanism; Chapter 2 A Detailed Review On Pore Structure Analysis Of Electrospun Porous Membranes; Chapter 3 Experimental Techniques For Application Of Recycled Polymers In Construction Industries; Chapter 4 Nanocomposites Polyethylene/organoclay On Suprasegmental Level; Chapter 5 Quantum And Wave Characteristics Of Spatial Energy Interactions Chapter 6 Key Elements On Nanopolymers-from Nanotubes To NanofibersChapter 7 Polyacetylene; Chapter 8 Features Of Macromolecule Formation By Raft-polymerization Of Styrene In The Presence Of Trithiocarbonates; Chapter 9 A Study On Physical Properties Of Composites Based On Epoxyresin; Chapter 10 Synthesis, Structural Properties, Development And Applications Of Metal-organic Frameworks In Textile; Chapter 11 Thermal Behavior And Ionic Conductivity Of The Peo/pacand Peo/pac Blends; Chapter 12

1.

	Correlation Between The Storage Time Of The Nrl and The Efficiency Of Pmma Grafting To Nr Chapter 13 A Study On Composite Polymer ElectrolyteChapter 14 A Study On Solid Polymer Electrolytes; Chapter 15 Modification Of Pc- phbh Blend Monolith; Back Cover
Sommario/riassunto	This book provides comprehensive coverage on the latest developments of research in the ever-expanding area of polymers and advanced materials and their applications to broad scientific fields including physics, chemistry, biology, and materials. It presents physical principles in explaining and rationalizing polymeric phenomena. Featuring classical topics that are conventionally considered as part of chemical technology, the book covers the chemical principles from a modern point of view. It analyzes theories to formulate and prove the polymer principles and offers future outlooks on appli