

1. Record Nr.	UNINA9910800184903321
Titolo	Applied research on polymer composites // edited by Pooria Pasbakhsh, PhD, A.K. Haghi, PhD, and Gennady E. Zaikov, DSc
Pubbl/distr/stampa	Toronto ; ; Waretown, New Jersey : , : Apple Academic Press Boca Raton, Florida : , : CRC Press, , [2015] ©2015
ISBN	1-77463-354-X 0-429-16266-9 1-77188-038-4
Descrizione fisica	1 online resource (340 p.)
Collana	AAP Research Notes on Polymer Engineering Science and Technology
Disciplina	620.192
Soggetti	Polymeric composites Polymers
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 at the end of each chapters.
Nota di contenuto	Front Cover; About The Editors; About Aap Research Notes On Polymer Engineering Science And Technology; Books In The AAP Research Notes On Polymer Engineering Science And Technology Series; Dedication; Contents; List Of Contributors; List Of Abbreviations; List Of Symbols; Preface; Foreword; Chapter 1 Trends In New Generation Of Biodegradable Polymers (part 1); Chapter 2 Trends In New Generation Of Biodegradable Polymers (part 2); Chapter 3 Trends In New Generation Of Biodegradable Polymers (part 3) Chapter 4 A Detailed Review On Physicochemical Properties, Synthesis, And Application Of Polyacetylene Chapter 5 Trends In Activated Carbon Fibers; Chapter 6 Reinforcement Of Polymer Nanocomposites: Variety Of Structural Forms And Applications; Chapter 7 A Study On The Effects Of The Modified Silica-gelatin Hybrid Systems On The Properties Of Paper Products; Chapter 8 Development Of Computational Techniques In Nanosystems Chapter 9 Calculating The Internal Structure And The Equilibrium Configuration (shape) Of Separate Noninteracting Nanoparticles By The Molecular Mechanics And Dynamics Interactions Of Nanostructural

Sommario/riassunto

This new volume presents leading-edge research in the rapidly changing and evolving field of polymer science as well as on chemical processing. The topics in the book reflect the diversity of research advances in the production and application of modern polymeric materials and related areas, focusing on the preparation, characterization, and applications of polymers. Also covered are various manufacturing techniques. The book helps to fill the gap between theory and practice in industry. The book introduces current state-of-the-art technology in modern materials with an emphasis on the rapidly