1. Record Nr. UNINA9910557109503321

Autore	Sedlacik Michal
Titolo	Advances in Elastomers
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (142 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Elastomer materials are characterized by their high elongation and (entropy) elasticity, which makes them indispensable for widespread applications in various engineering and medical areas as well as consumer goods. This book focuses on the state-of-the-art of elastomers covering all aspects from their properties to applications. The development and testing of advanced elastomers is of particular interest. Attention is given to various aspects of elastomers, such as ever-increasing environmental concepts dealing with recyclability and reusability, incorporation of functional groups or additives to obtain novel functionality or bioelastomers, analytical description of mechanisms and structure relations of the fracture behavior of elastomers, and their external stimuli-responsive character. The scope of the book encompasses contributions at the frontier of science in polymer network synthesis, experimental and theoretical physics of polymer networks, and new structures and functionalities incorporated into elastomers leading to enhanced properties of crosslinked elastomeric materials, among others.

2. Record Nr. UNINA9910139550603321

Titolo	Computational mathematics and modeling
Pubbl/distr/stampa	[New York, N.Y.], : Springer
ISSN	1573-837X
Disciplina	510.285
Soggetti	Mathematics - Data processing Mathematical models Models, Theoretical Mathematiques - Informatique Modeles mathematiques mathematical models Computers Mathematics Matemàtica discreta Models matemàtics periodicals. Periodicals. Periodiques. Revistes electròniques.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico