

1. Record Nr.	UNINA9910828893903321
Titolo	Analysis and performance of engineering materials : key research and development // editor, Gennady E. Zaikov, DSc
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2016] ©2016
ISBN	0-429-15339-2 1-4987-0773-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (532 p.)
Disciplina	620.11
Soggetti	Materials - Testing Polymers - Testing Polymer engineering
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	1. Modeling of stress birefringence for highly cross-linked polymers -- 2. High-molecular weight biopolymer -- 3. Steel surface modification -- 4. Monte Carlo Simulation of the three-dimensional free-radical polymerization of tetrafunctional monomers -- 5. Applications of polycondensation capable monomers for production of elastomeric materials working in extreme conditions -- 6. Aromatic polyamides and polyimides of triarilmethane fragments in main chain -- 7. Biopolymers for application in photonics -- 8. Molecular modeling of the Tert-Butyl Hydroperoxide NMR1H and 13C Spectra -- 9. Clearing and cooling of smoke fumes in production of pottery -- 10. Update on CNT/Polymer nano-composites : from theory to applications -- 11. 3D reconstruction from two views of single 2D image and its applications in pore analysis of nanofibrous membrane -- 12. Solar power harvesting by photovoltaic materials : a comprehensive review -- 13. Geometric and electronic structure of the models of Dekacene and Eicocene within the framework of molecular graphene model -- 14. Introduction to ceramizable polymer composites -- 15. The rheological behavior of liquid two-phase gelatin-locust bean gum systems -- 16. The kinetic DPPH-method of antiradical activity analysis of the

materials of plant origin -- 17. Update on modern fibers, fabrics and clothing.
