

1. Record Nr.	UNINA9910800189903321
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Titolo	Engineering materials : research, applications and advances // K.M. Gupta
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, , [2015] ©2015
ISBN	0-429-18858-7 1-4822-5798-X
Descrizione fisica	1 online resource (622 p.)
Disciplina	620.11
Soggetti	Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A CRC title.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Author; Basic Preliminary Information the Readers Need to Know; List of Abbreviations; Chapter 1: Introduction to Some Recent and Emerging Materials; Chapter 2: Peculiar Materials with Fascinating Properties; Chapter 3: Amorphous Materials and Futuristic Scope of Plastics; Chapter 4: Structures and Applications of Ceramics, Refractories and Glasses, etc.; Chapter 5: Polymeric Composite Materials: Types and Mechanics; Chapter 6: Sandwich Composite Materials, and Stitched and Unstitched Laminates; Chapter 7: Biocomposite Materials Chapter 8: Special Kinds of Composites Chapter 9: Biomimetics and Biomimetic Materials; Chapter 10: Superhard Materials; Chapter 11: Advances in Powder Metallurgy; Chapter 12: Trends in the Development of Ferrous Metals and Alloys, and Effects of Alloying Elements on Them; Chapter 13: Recent Non-Ferrous Metals and Alloys; Chapter 14: Emerging and Futuristic Materials; Chapter 15: Special Materials in Specialized Applications; Chapter 16: Vivid Fields of Ongoing Researches; Chapter 17: Trends in the Research of Natural Fibre-Reinforced Composites and Hybrid Composites Chapter 18: Recent Researches and Developments of Magical Materials Back Cover
Sommario/riassunto	Introduces Emerging Engineering Materials Mechanical, materials, and production engineering students can greatly benefit from Engineering

Materials: Research, Applications and Advances. This text focuses heavily on research, and fills a need for current information on the science, processes, and applications in the field. Beginning with a brief overview, the book provides a historical and modern perspective on material science, and describes various types of engineering materials. It examines the industrial process for emerging materials, determines practical use under a wide range of conditi
