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Altri autori (Persone)	WanhillR. J. H SetuaDipak Kumar
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Nota di contenuto	Chapter 1: Polymer Materials for Defence & Aerospace Applications -- Chapter 2: Functional Polymers for Defence Applications -- Chapter 3: 0D, 1D, 2D & 3D Nano Materials: Synthesis and Applications -- Chapter 4: A New Frontier in Functional Fluids: Nano Lubricating and Thermally Conducting Fluids -- Chapter 5: Electrically, Magnetically and Strain Field Assisted Smart / Functional Nano Fluids -- Chapter 6: Polymer Precursors for High Technology Applications -- Chapter 7: Precursor Materials for Semiconductor Thin Films -- Chapter 8: Functional Paints and Coatings -- Chapter 9: Hydrogels: A Unique Class of Soft Materials -- Chapter 10: Ionic Liquids: New Functional Fluids as Lubricants.
Sommario/riassunto	This book provides the latest developments in functional and engineering materials for defence applications. It contains a total of 20

book chapters in 2 proposed volumes: Vol. 1. Defence Functional Materials and Vol. 2. Defence Engineering Materials. All the book chapters are authored by leading scientists from the premier institutes, such as DRDO laboratory, DMSRDE, Kanpur, India, and edited by Drs. N Eswara Prasad, RJH Wanhill, and DK Setua. Both the authors and the editors are well known internationally for their seminal works in the Functional and Engineering Materials R&D and S&T. The principal purpose of this two-volume book is to provide the salient features of materials selection, synthesis, development and qualification for many a classical applications encompassing aero, naval and ground-based defence systems. They would surely act as valuable vade mecums for both active researchers, defence experts, post-graduate students, and faculty members who like to work and contribute to defence forces through research in areas such as defence materials, products, prototypes, sub-systems and systems that need cutting edge technologies and the latest and best materials and materials solutions.
