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Altri autori (Persone)	SahuNiroj Kumar
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Nota di contenuto	Chapter 1: Strategies for synthesis of superparamagnetic nanoparticles -- Chapter 2: Functionalized strategies of superparamagnetic materials -- Chapter 3: Ferrite and non-ferrite based superparamagnetic materials -- Chapter 4: In vitro and in vivo assessment of superparamagnetic materials -- Chapter 5: Applications of superparamagnetic materials in drug delivery toward cancer therapy -- Chapter 6: Applications of Superparamagnetic Nanomaterials in Hyperthermia towards Cancer therapy -- Chapter 7: Superparamagnetic materials in cancer imaging and diagnostics -- Chapter 8: Pre-clinical practices of functionalized superparamagnetic nanoparticles -- Chapter 9: Pharmacokinetic study of Superparamagnetic materials -- Chapter 10: Toxicology of Superparamagnetic Materials -- Chapter 11: In Vivo Mechanistic Study of Superparamagnetic Materials -- Chapter 12: Recent Status of the Current Clinical Trials Going on for Superparamagnetic Materials.
Sommario/riassunto	This book delves into the methods of synthesis and functionalization of superparamagnetic materials, offering a deep understanding of their properties and applications. It explores the behavioral study of these materials and provides valuable insights into their diverse applications across various fields. A dedicated section focuses on in vitro and in vivo

assessment, toxicology considerations, and post-application aspects. Furthermore, the book summarizes the current development of superparamagnetic materials, including an overview of ongoing clinical trials.
