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Autore	Desideri, Augusto
Titolo	Drenaggi a gravità per la stabilizzazione dei pendii / A. Desideri, S. Miliziano, S. Rampello
Pubbl/distr/stampa	Benevento, : Hevelius, 1997
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Descrizione fisica	79 p. : ill. ; 23 cm
Altri autori (Persone)	Miliziano, Salvatore Rampello, Sebastiano
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Livello bibliografico	Monografia
2. Record Nr.	UNINA9910768201003321
Autore	Savari Mohammad-Nabil
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Descrizione fisica	1 online resource (416 pages)
Collana	Nanomedicine and Nanotoxicology, , 2194-0460
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Drug conjugation chemistry in iron oxide nanoparticles (IONPs) -- Superparamagnetic iron oxide nanoparticle (SPION) Synthesis -- Properties of Iron oxide nanoparticles (IONPs) -- Pharmacokinetics of IONPs -- Magnetic Nanoparticles in Stimuli-Responsive Drug Delivery Systems -- IONPs-based treatment methods -- Diagnosis -- Biosensing -- Bioassays Based on Magnetic Phenomena -- Cytotoxicity/toxicity -- Coatings -- Concluding remarks and future perspectives.
Sommario/riassunto	This book highlights the most efficient and latest ways to deal with cancer, focusing on IONPs. The book describes some well-designed surface modifications performed through several functional materials over the surface of IONPs, which results in the development of multifunctional IONPs-based delivery nanoplatforms by enhancing solubility, stability, and avoiding side effects on healthy cells. Several types of stimuli-responsive IONPs-based strategies are also discussed. Owing to magnetic, structural, and thermal properties, IONPs themselves can be utilized for magnetic targeting, magnetic hyperthermia, and phototherapy. Significant advancements are presented in IONPs-based immunotherapy, radiotherapy, and sonodynamic therapy for the efficient treatment of cancer. Finally, the book presents RIONs which serve as the parent platform for the development of powerful DMCAAs utilized in SPECT/MRI and PET/MRI applications.