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Nota di contenuto	Chapter 1. Overview of Stimuli-Responsive Nanosystems: Endogenous and Exogenous Triggers for Stimuli-Responsive Delivery for Cancer Therapy -- Chapter 2. Stimuli-Responsive Micelles for Cancer Therapy -- Chapter 3. Stimuli-Responsive Polymeric Nanoparticles for Cancer Therapy -- Chapter 4. Stimuli-Responsive Polymersomes for Cancer Therapy -- Chapter 5. Stimuli-Responsive Dendrimers for Cancer Therapy -- Chapter 6. Stimuli-Responsive Liposomes for Cancer

Therapy -- Chapter 7. Stimuli-Responsive Lipid Nanoparticle for Cancer Therapy -- Chapter 8. Stimuli-Responsive Mesoporous Silica Nanoparticles for Cancer Therapy -- Chapter 9. Stimuli-Responsive Nanogels for Cancer Therapy -- Chapter 10. Stimuli-Responsive Metal-Organic Frameworks for Cancer Therapy -- Chapter 11. Stimuli-Responsive Hydrogel for Cancer Therapy -- Chapter 12. Stimuli-Responsive Extracellular Vesicles / Exosomes -- Chapter 13. Dual and Multi-Stimuli Responsive Hydrogels for Cancer Therapy -- Chapter 14. Preclinical Studies on Stimuli-Responsive Nanosystems for Cancer Therapy.

Sommario/riassunto

The book is a compilation of the latest developments in the technology and applications of stimuli-responsive nanosystems for cancer therapy. The book begins with an overview of recent advances in various stimuli, including endogenous triggers related to tumor microenvironments such as pH, temperature, enzymes and exogenous stimuli such as light, temperature, ultrasound and magnetic field, which could significantly augment anticancer therapy. A gamut of nanosystems investigated for cancer therapy, some major systems being liposomes, polymer nanoparticles, lipid nanoparticles, inorganic nanoparticles, hybrid nanoparticles and a range of other nanosystems which are stimuli responsive are covered in detail in the subsequent chapters. The chapters comprehensively cover the various nanosystems from development to evaluation to their application. This book is a valuable resource for scientists, professors, researchers, as well as medical and industry professionals working in the area of cancer and targeted drug delivery. It is also proposed as a textbook for master's students opting for a course in targeted drug delivery.
