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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Sommario/riassunto	This book surveys recent advances in theranostics based on magnetic nanoparticles, ultrasound contrast agents, silica nanoparticles and polymeric micelles. It presents magnetic nanoparticles, which offer a robust tool for contrast enhanced MRI imaging, magnetic targeting, controlled drug delivery, molecular imaging guided gene therapy, magnetic hyperthermia, and controlling cell fate. Multifunctional ultrasound contrast agents have great potential in ultrasound molecular imaging, multimodal imaging, drug/gene delivery, and integrated diagnostics and therapeutics. Due to their diversity and multifunctionality, polymeric micelles and silica-based nanocomposites are highly capable of enhancing the efficacy of multimodal imaging and synergistic cancer therapy. This comprehensive book summarizes the main advances in multifunctional nanoprobables for targeted imaging and therapy of gastric cancer, and explores the clinical translational

prospects and challenges. Although more research is needed to overcome the substantial obstacles that impede the development and availability of nanotheranostic products, such nontrivial nanoagents are expected to revolutionize medical treatments and help to realize the potential of personalized medicine to diagnose, treat, and follow-up patients with cancer. Zhifei Dai is a Professor at the Department of Biomedical Engineering, College of Engineering, Peking University, China.

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