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Nota di contenuto	Introduction -- Diagnostic Applications of Functionalized Conjugated Polyelectrolytes -- Fluorescence Imaging Applications of Functionalized Conjugated Polyelectrolytes -- Biomacromolecule Delivery System Based on Functionalized Conjugated Polyelectrolytes -- Drug Screening Applications of Functionalized Conjugated Polyelectrolytes -- Therapeutic Applications of Functionalized Conjugated Polyelectrolytes -- Concluding Remarks.
Sommario/riassunto	Functionalized Conjugated Polyelectrolytes presents a comprehensive review of these polyelectrolytes and their biomedical applications. Basic aspects like molecular design and optoelectronic properties are covered in the first chapter. Emphasis is placed on the various applications including sensing (chemical and biological), disease diagnosis, cell imaging, drug/gene delivery and disease treatment. This book explores a multi-disciplinary topic of interest to researchers working in the fields of chemistry, materials, biology and medicine. It also offers an integrated perspective on both basic research and application issues. Functionalized conjugated polyelectrolyte materials, which have already drawn considerable interest, will become a major new direction for biomedicine development.

