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Nota di contenuto	FrontMatter -- Preface -- Acknowledgment of Reviewers -- Contents -- Executive Summary -- 1 New Tools and Approaches for Discovery, Diagnostics, and Prevention -- 2 New Methods in Synthesis and Development for Pharmaceuticals -- 3 New Directions in Manufacturing and Delivery -- 4 Accomplishments and Challenges in Health and Medicine for Chemistry and Chemical Engineering -- Appendixes -- A Statement of Task -- B Biographies of the Organizing Committee Members -- C Workshop Agenda -- D Participants Challenges for the Chemical Sciences in the 21st Century: Workshop on Health and Medicine -- E Reports from the Breakout Session Groups.
Sommario/riassunto	The report assesses the current state of chemistry and chemical engineering within the context of drug discovery, disease diagnosis, and disease prevention. Also addressed are chemical and chemical engineering challenges in pharmaceutical synthesis, delivery, and manufacture.