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Nota di contenuto	Frontmatter -- Preface -- Contents -- 1. Introduction -- 2. Membrane structure and composition -- 3. Membranes of intracellular organelles -- 4 Membranes in different microorganisms -- 5 .Other physiological membranes -- 6 .Membrane analysis: biomimetic models and experimental techniques -- 7. Membrane processes -- 8. Membranes and biomedicine -- 9. Membrane-inspired technologies and applications -- 10 .Membrane research: past, present, and future -- Further Reading -- Index
Sommario/riassunto	Describes the properties of cellular membranes and their relationship with fundamental biological processes. This book provides insight on the chemistry, structures, model systems, and techniques employed for studying membrane properties and processes. A major focus is on the prominence of membranes in diverse physiological processes and disease, as well as applications of membranes and biomimetic membrane systems in varied disciplines. The book aims to illuminate the significance and beauty of membrane science, and serve both as an entry point for scholars wishing to embark on membrane research, as well as scientists already working in the field.