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Titolo	Nucleic acids in chemistry and biology // edited by G. Michael Blackburn ... [et al.]
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Descrizione fisica	1 online resource (503 p.)
Altri autori (Persone)	BlackburnG. Michael
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Soggetti	Nucleic acids
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction and overview -- DNA and RNA structure -- Nucleosides and nucleotides -- Synthesis of oligonucleotides -- Nucleic acids in biotechnology -- Genes and genomes -- RNA structure and function -- Covalent interactions of nucleic acids with small molecules and their repair -- Reversible small molecule-nucleic acid interactions -- Protein-nucleic acid interactions -- Physical and structural techniques applied to nucleic acids.
Sommario/riassunto	The structure, function and reactions of nucleic acids are central to molecular biology and are crucial for the understanding of complex biological processes involved. Revised and updated Nucleic Acids in Chemistry and Biology 3rd Edition discusses in detail, both the chemistry and biology of nucleic acids and brings RNA into parity with DNA. Written by leading experts, with extensive teaching experience, this new edition provides some updated and expanded coverage of nucleic acid chemistry, reactions and interactions with proteins and drugs. A brief history of the discovery of nucleic acids i