1. Record Nr. UNINA9911018907403321

Titolo	The chemical biology of DNA damage / / edited by Nicholas E. Geacintov and Suse Broyde
Pubbl/distr/stampa	Weinheim [Germany], : Wiley, 2010
ISBN	9786612784453 9783527642113 3527642110 9781282784451 1282784455 9783527630110 3527630112 9783527630127 3527630120
Edizione	[1st ed.]
Descrizione fisica	1 online resource (473 p.)
Altri autori (Persone)	GeacintovNicholas E BroydeSuse
Disciplina	572.8 572.86 22
Soggetti	DNA damage
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Chemistry and biology of DNA lesions -- pt. 2 New frontiers and challenges : understanding structure-function relationships and biological activity.
Sommario/riassunto	Bringing the power of biochemical analysis to toxicology, this modern reference explains genotoxicity at the molecular level, showing the links between a DNA lesion and the resulting cellular or organismic response. Clearly divided into two main sections, Part 1 focuses on selected examples of important DNA lesions and their biological impact, while the second part covers current advances in assessing and predicting the genotoxic effects of chemicals, taking into account the biological responses mediated by the DNA repair, replication and transcription machineries.A ready reference for bio