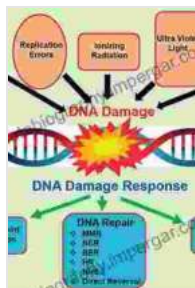


DNA Damage, DNA Repair and Disease: An Essential Guide for Researchers, Clinicians, and Students



DNA Damage, DNA Repair and Disease: Volume 1 (Theoretical and Computational Chemistry)

★★★★★ 5 out of 5

Language : English
File size : 5090 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 610 pages



DNA damage is a major threat to the integrity of the genome and can lead to a wide range of diseases, including cancer, aging, and neurodegenerative diseases. The study of DNA damage and repair is therefore essential for understanding the pathogenesis of these diseases and developing new therapeutic strategies.

DNA Damage, DNA Repair and Disease is a comprehensive and up-to-date reference on the latest advances in DNA damage and repair research. This book provides insights into the molecular mechanisms of DNA damage and repair, as well as their role in the pathogenesis of human diseases.

The book is divided into three parts:

- Part I: DNA Damage and Repair Mechanisms
- Part II: DNA Damage and Disease
- Part III: Therapeutic Applications of DNA Damage and Repair

Part I provides a detailed overview of the different types of DNA damage, the mechanisms of DNA repair, and the regulation of DNA repair pathways. Part II examines the role of DNA damage in the pathogenesis of various human diseases, including cancer, aging, and neurodegenerative diseases. Part III discusses the potential therapeutic applications of DNA damage and repair research, such as the development of new cancer treatments and neuroprotective therapies.

DNA Damage, DNA Repair and Disease is a valuable resource for researchers, clinicians, and students in the fields of DNA damage and repair, cancer biology, aging, and neurodegenerative diseases. This book provides a comprehensive and up-to-date overview of the latest advances in this rapidly evolving field.

Benefits of Reading DNA Damage, DNA Repair and Disease

- Gain a comprehensive understanding of the molecular mechanisms of DNA damage and repair
- Learn about the role of DNA damage in the pathogenesis of human diseases
- Discover the potential therapeutic applications of DNA damage and repair research

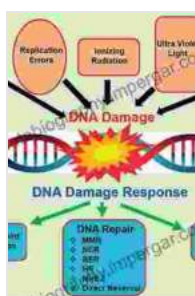
- Stay up-to-date on the latest advances in DNA damage and repair research

Who Should Read DNA Damage, DNA Repair and Disease?

- Researchers in the fields of DNA damage and repair, cancer biology, aging, and neurodegenerative diseases
- Clinicians who treat patients with cancer, aging-related diseases, or neurodegenerative diseases
- Students in the fields of DNA damage and repair, cancer biology, aging, and neurodegenerative diseases

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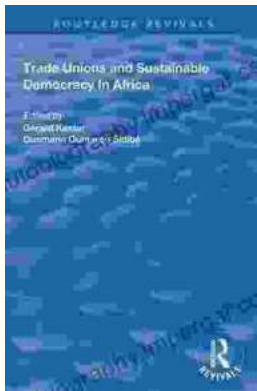
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