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3.2.4 Integrated Electrically Contacted Electrodes Composed of Reconstituted Quinoproteins3.2.5 Reconstituted Electrically Contacted Hemoproteins; 3.2.6 Reconstituted de novo Hemoproteins on Electrodes; 3.3 Electrical Contacting of Redox Proteins by Cross-linking of Cofactor-Enzyme Affinity Complexes on Surfaces; 3.3.1 Integrated NAD(P)(+)-Dependent Enzyme-Electrodes; 3.3.2 Integrated Electrically Contacted Hemoprotein Electrodes; 3.4 Reconstituted Enzyme-Electrodes for Biofuel Cell Design; 3.5 Conclusions and Perspectives; References
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5.4.2 Relations Between DNA Damage and its Electrochemical Features

Sommario/riassunto

Medicine, chemistry, physics and engineering stand poised to benefit within the next few years from the ingenuity of complex biological structures invented and perfected by nature over millions of years.This book provides both researchers and engineers as well as students of all the natural sciences a vivid insight into the world of bioelectronics and nature's own nanotechnological treasure chamber.