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""1.2.3.1 Examples of I€-conjugated compounds interacting with double-stranded DNA minor groove binders """"1.2.3.2 Examples of I€-conjugated DNA binders interacting with double-stranded DNA intercalators""; ""1.2.4 Examples of I€-conjugated compounds interacting with hybrid duplexes and higher order nucleic acid structures""; ""1.2.4.1 Examples of I€-conjugated compounds interacting with DNA RNA and DNA PNA hybrid duplexes""; ""1.2.4.2 Examples of I€-conjugated compounds interacting with higher order nucleic acid structures""; ""1.2.5 Conclusions""; ""References""

""1.3 Metal Ion- and Perylene Diimide-Mediated DNA Architectures""""1.3.1 Introduction""; ""1.3.2 Metal ion complexes as DNA modifications: hydroquinoline and terpyridine""; ""1.3.3 Perylene diimide-based DNA architectures""; ""1.3.4 Conclusions""; ""References""; ""1.4 DNA with Metal-Mediated Base Pairs""; ""1.4.1 Introduction""; ""1.4.2 Metal-mediated base pairs with natural nucleobases""; ""1.4.2.1 Pyrimidines""; ""1.4.2.2 Purines""; ""1.4.3 Metal-mediated base pairs with artificial nucleobases""; ""1.4.3.1 Individual metal-mediated base pairs"" ""1.4.3.2 Stacks of metal-mediated base pairs""""1.4.3.3 Doubly metalated base pairs""; ""1.4.4 Outlook""; ""References ""; ""1.5 Metal-Aided Construction of Unusual DNA Structural Motifs""; ""1.5.1 Introduction""; ""1.5.2 DNA duplexes containing metal-mediated base pairs""; ""1.5.3 Metal-aided formation of triple-stranded structures""; ""1.5.4 Metal-aided formation of four-stranded structures""; ""1.5.5 Metal-aided formation of DNA junction structures""; ""1.5.6 Summary and outlook""; ""References ""; ""Part II DNA Wires and Electron Transport Through DNA ""

""2.1 Gating Electrical Transport Through DNA""

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