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## I-MODIFIED NUCLEOSIDES AS DNA-SUGAR CENTERED RADICAL PRECURSORS II-DNA EXCESS ELECTRON TRANSFER STUDIES III-A NEW DIRECT DNA DETECTION METHOD: DNA-PHOTOGRAPHY



Cuvillier Verlag Apr 2008, 2008. Taschenbuch. Condition: Neu. Neuware - During cellular metabolism of oxygen to water in the mitochondria, a small fraction of the oxygen is reductively converted into superoxide ( $O_2\dot{-}$ ) as a by product. Through complex biochemical processes, superoxide may be converted into various reactive oxygen species (ROS), e.g. hydroxyl radicals ( $\dot{O}H$ ),  $H_2O_2$ ,  $IO_2$ , etc. These ROS and in particular the highly diffusible  $\dot{O}H$  are known to cause chemical modifications on DNA through the formation of strand breaks...

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- Authored by Antonio Manetto
- Released at 2008



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