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Homocysteine in the Development of Atherosclerosis: Effect of Vitamin E; Different Roles of Nitric Oxide in Regulation of Interscapular Brown Adipose Tissue Hyperplasia; Adaptation to Exercise-Induced Oxidative Stress; Clinical Use of Carotenoids - Antioxidative Protection versus Prooxidative Side Effects; Author Index

Sommario/riassunto

This publication contains an extensive overview of free radicals and diseases, including both basic science approaches and clinical applications. The research of the last decades has contributed substantially to the understanding role and function of these metabolites. It is the aim of the editors to include a large variety of biological models ranging from yeast over mitochondria, isolated cells and cell culture models to animals and humans. The topics discussed focus on the function and integrity of mitochondria under oxidative conditions, the role of protein oxidation and proteolysis in the
