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Altri autori (Persone)	PompellaAlfonso BanhegyiGabor Wellman-RousseauMaria
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Enzymes of the Thiol-dependent Hydroperoxide Metabolism in Pathogens as Potential Drug Targets; Is there a Role of Glutathione Peroxidases in Signaling and Differentiation?; Multidrug Resistance-associated Proteins: Export Pumps for Conjugates with Glutathione, Glucuronate or Sulfate; Detoxification of Electrophilic Compounds by Glutathione S-Transferase Catalysis: Determinants of Individual Response to Chemical Carcinogens and...; Transcriptional Regulation of Glutathione S-Transferase P1-1 in Human Leukemia
Mechanism of -Glutamyltranspeptidase Folding and Activation in the Endoplasmic Reticulum; The Role of -Glutamyl Transpeptidase in the Biosynthesis of Glutathione; Role of -Glutamyltransferase in the Homeostasis of Glutathione during Oxidative and Nitrosative Stress; The Importance of gamma-Glutamyl Transferase in Lung Glutathione Homeostasis and Antioxidant Defense; The Role of gamma-Glutamyltranspeptidase in the Metabolism and Cytotoxicity of 4-Hydroxynonenal-Glutathione Conjugate: Evidence and Hypothesis; - Glutamyltransferase-Dependent Prooxidant Reactions: a Factor in Multiple Processes
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Sommario/riassunto

This volume contains contributions by some of the leading scientists in the field of thiol oxidation/reduction (redox) biochemistry. It is focused on the biological/pathophysiological implications of newly-discovered functions of cellular thiols, such as glutathione in the first place.
