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Sommario/riassunto	"Scientists are developing oxygen therapeutics, or "blood substitutes," with the same oxygen-carrying capability as blood and can be used as replacements for blood transfusion or to treat diseases where oxygen transport is impaired. This book links the underlying biochemical principles of the field with chemical and biotechnological innovations and pre-clinical development, starting with the observation that an oxygen therapeutic agent can be developed only upon a deep understanding of oxygen and nitric oxide, homeostasis and regulation, and the well-documented correlations between adverse effects of a specific product and its biochemical-physiological properties"-- "First book to cover the full range of new oxygen therapeutics"--