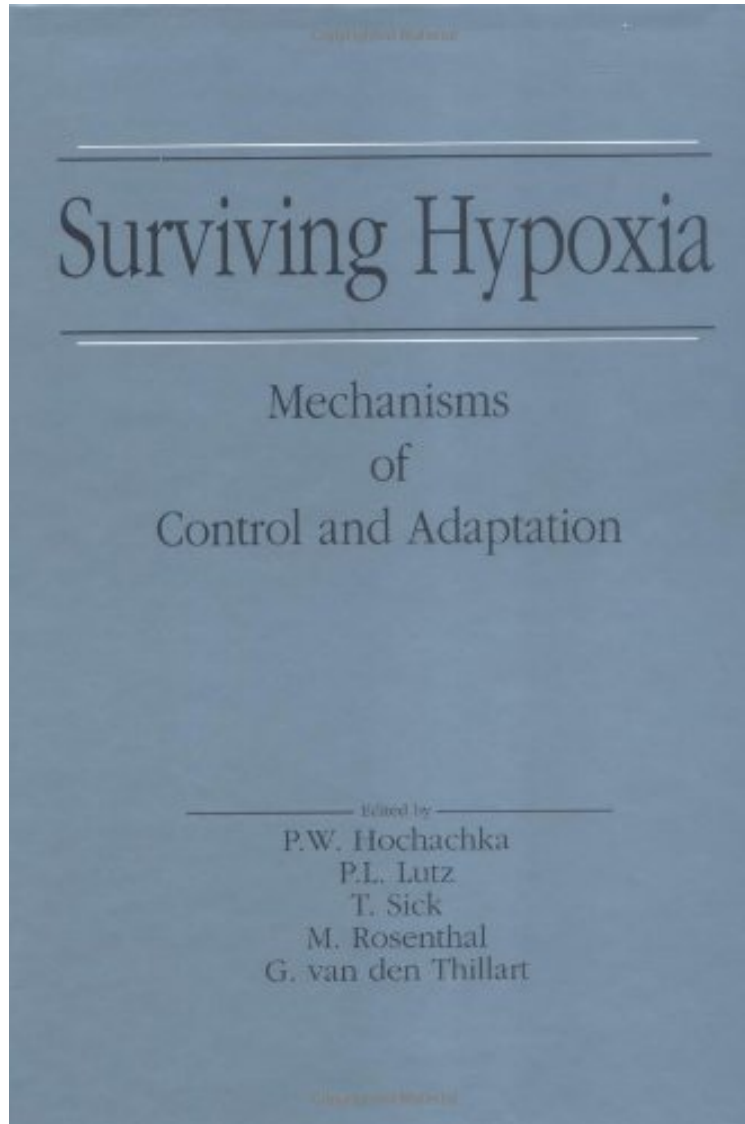


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Surviving Hypoxia: Mechanisms of Control and Adaptation

Peter W. Hochachka, Peter L. Lutz, Thomas J. Sick, Myron Rosenthal
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Peter W. Hochachka, Peter L. Lutz, Thomas J. Sick, Myron Rosenthal : Surviving Hypoxia: Mechanisms of Control and Adaptation before purchasing it in order to gage whether or not it would be worth my time, and all praised Surviving Hypoxia: Mechanisms of Control and Adaptation:

Surviving Hypoxia: Mechanisms of Control and Adaptation is a synthesis of findings and thoughts concerning

hypoxia. The thermodynamics of hypoxia are discussed in detail, including acid-base balance and self-pollution resulting from the accumulation of anaerobic end-products. The book focuses on descriptions and discussions of common facets, contrasting solutions in a variety of physiological hypoxia defense strategies, including those shown by plants, invertebrates, and vertebrates. Special treatment is given to the distinctive problems that hypoxia presents to vulnerable organs such as the kidney, liver, and brain. It also addresses pathological events in addition to protective mechanisms. Clinical implications of basic research are examined in the book, which provides new insights into underlying pathological processes occurring in hypoxic-induced organ failure and indicates new paths for successful clinical intervention. *Surviving Hypoxia: Mechanisms of Control and Adaptation* is an excellent reference for all researchers interested in the physiological effects of hypoxia, underlying pathological events, and protective mechanisms.