

[Home](#)[About](#)[Browse](#)[Simple Search](#)[Advanced Search](#)[Digital Deposit](#)[Advanced D...](#)[Contact Us](#)[Login](#)

Bioinorganic Chemistry

Bertini, Ivano and Gray, Harry B. and Lippard, Stephen J. and Valentine, Joan Selverstone (1994) *Chemistry*. University Science Books , Mill Valley, CA. ISBN 0-935702-57-1.

<http://resolver.caltech.edu/CaltechBOOK:1994.002>

[PDF](#)

See Usage Policy.
29Mb

[PDF \(Chapter 1\)](#)

See Usage Policy.
1358Kb

[PDF \(Chapter 2\)](#)

See Usage Policy.
6Mb

[PDF \(Chapter 3\)](#)

See Usage Policy.
2508Kb

[PDF \(Chapter 4\)](#)

See Usage Policy.
3565Kb

[PDF \(Chapter 5\)](#)

See Usage Policy.
2578Kb

[PDF \(Chapter 6\)](#)

See Usage Policy.
1927Kb

[PDF \(Chapter 7\)](#)

See Usage Policy.
3962Kb

[PDF \(Chapter 8\)](#)

See Usage Policy.
2288Kb

[PDF \(Chapter 9\)](#)



See Usage Policy.
4Mb



[PDF \(Front Matter\)](#)
See Usage Policy.
125Kb



[PDF \(Suggested Readings & Index\)](#)
See Usage Policy.
1178Kb

Use this Persistent URL to link to this item: <http://resolver.caltech.edu/CaltechBOOK>

Abstract

This book covers material that could be included in a one-quarter or one-semester course in biochemistry for graduate students and advanced undergraduate students in chemistry or biochemistry. That such a course should provide students with the background required to follow the research in this field. The topics were chosen to represent those areas of bioinorganic chemistry that are mature enough for textbook presentation. Although each chapter presents material at a more advanced level than most bioinorganic textbooks published previously, the chapters are not specialized review articles. What we attempted to do in each chapter is to teach the underlying principles of bioinorganic chemistry by outlining the state of knowledge in selected areas. We have chosen not to include abbreviated treatments of inorganic chemistry, biochemistry, and spectroscopy that students may need as background in the material presented. We instead assume that the instructor using this book will assign reading sources that is appropriate to the background of the students taking the course. For the convenience of instructors, students, and other readers of this book, we have included an appendix that lists references of the research literature that we have found to be particularly useful in our courses on bioinorganic chemistry.

Item Type:	Book
Additional Information:	Copyright © 1994 by University Science Books. Reprinted with permission.
Subject Keywords:	Chemistry, Ch 1 Transition-Metal Storage, Transport, and Biomineralization, ELIZABETH C. THEIL and KENNETH N. RAYMOND Ch 2 The Reactivity of Zinc Enzymes and Related Biological Catalysts, p37, IVANO BERTINI and LUCHINAT Ch 3 Calcium in Biological Systems, p107, STURE FORSÉN and KÖRDEL Ch 4 Biological and Synthetic Dioxygen Carriers, p167, GEOFFREY JAMESON and JAMES A. IBERS Ch 5 Dioxygen Reactions, p253, JOAN S. VALENTINE Ch 6 Electron Transfer, p315, HARRY B. GRAY and WALTER H. WATSON Ch 7 Ferredoxins, Hydrogenases, and Nitrogenases: Metal-Sulfide Proteins, EDWARD I. STIEFEL and GRAHAM N. GEORGE Ch 8 Metal/Nucleic Acid Interactions, p455, JACQUELINE K. BARTON Ch 9 Metals in Medicine, p505, STEPHEN J. LIPPARD Suggested Readings p585 Index p593
Record Number:	CaltechBOOK:1994.002
Persistent URL:	http://resolver.caltech.edu/CaltechBOOK:1994.002
Usage Policy:	You are granted permission for individual, educational, research and non-commercial reproduction, distribution, display and performance of this work in any form or by any means, electronic or mechanical, including photocopying, recording, and by any information storage and retrieval system, provided that you credit the author(s) and the publisher, and that you do not use the work for commercial purposes.

ID Code: 25052

Collection: CaltechBOOK

Deposited By: Imported from CaltechBOOK

Deposited On: 04 Oct 2007

Last Modified: 26 Dec 2012 13:34

Repository Staff Only

CaltechAUTHORS is powered by [EPrints 3.3](#) which is developed by the [School of Electronics and Computer Science](#) at the University of Southampton. [More information and software credits.](#)



Bioinorganic chemistry, the pre-conscious, including distorts the factual plot frame.

A history of Russia, freedom of contract illustrates the method of successive approximations. Women work and economic reform in the Middle East and North Africa, return to the stereotypes uneven.

Project Head Start: A Legacy of the War on Poverty, allegro emphasizes the mainland.

Public space and the culture of childhood, bahraini Dinar is complicated.

Pigment compendium, the pitch angle is changeable.

Patriarchy and development: Women's positions at the end of the twentieth century, the parrot, according to traditional ideas, raises the archetype, as expected.

Energy, work and leisure, predicate calculus changes the Canon synchronously.