

Detailed Licensing

Overview

Title: Bioinorganic Chemistry (Bertini et al.)

Webpages: 128

Applicable Restrictions: Noncommercial

All licenses found:

- [CC BY-NC-SA 4.0](#): 89.8% (115 pages)
- [Undeclared](#): 10.2% (13 pages)

By Page

- [Bioinorganic Chemistry \(Bertini et al.\) - CC BY-NC-SA 4.0](#)
 - [1: Transition-Metal Storage, Transport, and Biomineralization - CC BY-NC-SA 4.0](#)
 - [1.1: Biological Significance of Iron, Zinc, Copper, Molybdenum, Cobalt, Chromium, Vanadium, and Nickel - CC BY-NC-SA 4.0](#)
 - [1.2: Biological Systems of Metal Storage - CC BY-NC-SA 4.0](#)
 - [1.3: Chemical Properties Relative to Storage and Transport - CC BY-NC-SA 4.0](#)
 - [1.4: Iron Biomineralization - CC BY-NC-SA 4.0](#)
 - [1.5: Transport of Iron - CC BY-NC-SA 4.0](#)
 - [1.6: Transport of Zinc, Copper, Vanadium, Chromium, Molybdenum, and Cobalt - CC BY-NC-SA 4.0](#)
 - [2: The Reaction Pathways of Zinc Enzymes and Related Biological Catalysts - CC BY-NC-SA 4.0](#)
 - [2.1: About Carbonic Anhydrase - CC BY-NC-SA 4.0](#)
 - [2.2: Acid-base Equilibria - CC BY-NC-SA 4.0](#)
 - [2.3: Catalytic Mechanism - CC BY-NC-SA 4.0](#)
 - [2.4: Coordinated Water and NMR - CC BY-NC-SA 4.0](#)
 - [2.5: Coordination Geometries - CC BY-NC-SA 4.0](#)
 - [2.6: Ester Hydrolysis and Phosphoryl Transfer - CC BY-NC-SA 4.0](#)
 - [2.7: Group Transfer and Vitamin B-12 - CC BY-NC-SA 4.0](#)
 - [2.8: Metal Substitution - CC BY-NC-SA 4.0](#)
 - [2.9: Model Chemistry - CC BY-NC-SA 4.0](#)
 - [2.10: Nucleophilic Addition of \$\text{OH}^-\$ and \$\text{H}^+\$ - CC BY-NC-SA 4.0](#)
 - [2.11: Peptide Hydrolysis - CC BY-NC-SA 4.0](#)
 - [2.12: pH Dependence of Inhibitor Binding - CC BY-NC-SA 4.0](#)
 - [2.13: Selecting Zinc - CC BY-NC-SA 4.0](#)
 - [2.14: Steady-State and Equilibrium Kinetics of Carbonic Anhydrase-Catalyzed \$\text{CO}_2/\text{HCO}_3^-\$ Interconversion - CC BY-NC-SA 4.0](#)
 - [2.15: Strategies for the Investigation of Zinc Enzymes - CC BY-NC-SA 4.0](#)
 - [2.16: The Natural Catalysts - CC BY-NC-SA 4.0](#)
 - [2.17: What Do We Learn? - CC BY-NC-SA 4.0](#)
 - [3: Calcium in Biological Systems - CC BY-NC-SA 4.0](#)
 - [3.1: \$\text{Ca}^{2+}\$ -binding Proteins in Microorganisms- The Search for a Prokaryotic Calmodulin - CC BY-NC-SA 4.0](#)
 - [3.2: Basic Facts About Calcium- Its Compounds and Reactions - CC BY-NC-SA 4.0](#)
 - [3.3: Calcium in Mineralized Tissues - CC BY-NC-SA 4.0](#)
 - [3.4: Calmodulin - CC BY-NC-SA 4.0](#)
 - [3.5: Extracellular Calcium Ion-binding Proteins - CC BY-NC-SA 4.0](#)
 - [3.6: Inositol Trisphosphate and the Calcium Ion Messenger System - CC BY-NC-SA 4.0](#)
 - [3.7: Intracellular Calcium Ion Transport - CC BY-NC-SA 4.0](#)
 - [3.8: Measurements of "Free" Calcium Concentrations - CC BY-NC-SA 4.0](#)
 - [3.9: Measurements of Total Calcium Concentrations - CC BY-NC-SA 4.0](#)
 - [3.10: Mitochondrial Calcium Ion Transport - CC BY-NC-SA 4.0](#)
 - [3.11: Molecular Aspects of Calcium Ion-Regulated Intracellular Processes \(Part 1\) - CC BY-NC-SA 4.0](#)
 - [3.12: Molecular Aspects of Calcium Ion-regulated Intracellular Processes \(Part 2\) - CC BY-NC-SA 4.0](#)
 - [3.13: Parvalbumin and Calbindins \$\text{\(D}_{9\text{K}}\)\$ and \$\text{\(D}_{28\text{K}}\)\$ - CC BY-NC-SA 4.0](#)
 - [3.14: The Transport and Regulation of \$\text{Ca}^{2+}\$ Ions in Higher Organisms - CC BY-NC-SA 4.0](#)
 - [3.15: Troponin C - CC BY-NC-SA 4.0](#)
 - [Front Matter - CC BY-NC-SA 4.0](#)
 - [TitlePage - Undeclared](#)
 - [InfoPage - Undeclared](#)
 - [Table of Contents - Undeclared](#)

- Licensing - *Undeclared*
- Preface - *Undeclared*
- 4: Biological and Synthetic Dioxygen Carriers - *CC BY-NC-SA 4.0*
 - 4.1: Biological Dioxygen Transport Systems - *CC BY-NC-SA 4.0*
 - 4.2: Biological Oxygen Carriers - *CC BY-NC-SA 4.0*
 - 4.3: Detailed Structures of Hemoglobins and Model Systems - *CC BY-NC-SA 4.0*
 - 4.4: Dioxygen Carriers and Bioinorganic Chemistry - *CC BY-NC-SA 4.0*
 - 4.5: General Aspects of the Chemistry of Cobalt - *CC BY-NC-SA 4.0*
 - 4.6: General Aspects of the Chemistry of Copper - *CC BY-NC-SA 4.0*
 - 4.7: General Aspects of the Chemistry of Dioxygen - *CC BY-NC-SA 4.0*
 - 4.8: General Aspects of the Chemistry of Iron - *CC BY-NC-SA 4.0*
 - 4.9: General Structural Features that Modulate Ligand Activity - *CC BY-NC-SA 4.0*
 - 4.10: Hazards of Life with Dioxygen - *CC BY-NC-SA 4.0*
 - 4.11: Nature of the Metal-Dioxygen Linkage in Biological Systems - *CC BY-NC-SA 4.0*
 - 4.12: Other Ligands for Biological Oxygen Carriers - *CC BY-NC-SA 4.0*
 - 4.13: Requirements for a Model System for Hemoglobin - *CC BY-NC-SA 4.0*
 - 4.14: Requirements for Effective Oxygen Carriers - *CC BY-NC-SA 4.0*
 - 4.15: Role of the Protein in Effecting Biological Oxygen Transport - *CC BY-NC-SA 4.0*
 - 4.16: Selected Chemistry of Dioxygen, Iron, Copper, and Cobalt - *CC BY-NC-SA 4.0*
 - 4.17: Stereochemical Changes Upon Ligation - *CC BY-NC-SA 4.0*
 - 4.18: Structural Basis of Ligand Affinities of Oxygen Carriers - *CC BY-NC-SA 4.0*
 - 4.19: Structures Relevant to Liganded Hemoglobins - *CC BY-NC-SA 4.0*
 - 4.20: Thermodynamic Factors - *CC BY-NC-SA 4.0*
 - 4.21: Ch. 4 References and Abbreviations - *CC BY-NC-SA 4.0*
- 5: Dioxygen Reactions - *CC BY-NC-SA 4.0*
 - 5.1: Catalase and Peroxidase - *CC BY-NC-SA 4.0*
 - 5.2: Chemistry of Dioxygen - *CC BY-NC-SA 4.0*
 - 5.3: Copper-zinc Superoxide Dismutase - *CC BY-NC-SA 4.0*
 - 5.4: Cytochrome c Oxidase - *CC BY-NC-SA 4.0*
 - 5.5: Dioxygen Toxicity - *CC BY-NC-SA 4.0*
 - 5.6: Monooxygenases - *CC BY-NC-SA 4.0*
 - 5.7: Oxygenases - *CC BY-NC-SA 4.0*
- 6: Electron Transfer - *CC BY-NC-SA 4.0*
 - 6.1: Biological Redox Components - *CC BY-NC-SA 4.0*
 - 6.2: Coupling Electron Transfers and Substrate Activation - *CC BY-NC-SA 4.0*
 - 6.3: Electron-transfer Rates - *CC BY-NC-SA 4.0*
 - 6.4: Electron-Transfer Theory - *CC BY-NC-SA 4.0*
 - 6.5: Energy Storage and Release - *CC BY-NC-SA 4.0*
 - 6.6: Long-range Electron Transfer in Proteins (Part 1) - *CC BY-NC-SA 4.0*
 - 6.7: Long-range Electron Transfer in Proteins (Part 2) - *CC BY-NC-SA 4.0*
 - 6.8: Marcus Theory - *CC BY-NC-SA 4.0*
- 7: Ferredoxins, Hydrogenases, and Nitrogenases - Metal-Sulfide Proteins - *CC BY-NC-SA 4.0*
 - 7.1: Iron-sulfur Proteins and Models - *CC BY-NC-SA 4.0*
 - 7.2: Iron-sulfur Proteins and Models (Part 2) - *CC BY-NC-SA 4.0*
 - 7.3: Iron-sulfur Proteins and Models (Part 3) - *CC BY-NC-SA 4.0*
 - 7.4: Iron-sulfur Proteins and Models (Part 4) - *CC BY-NC-SA 4.0*
 - 7.5: Multisite Redox Enzymes - *CC BY-NC-SA 4.0*
 - 7.6: Multisite Redox Enzymes (Part 2) - *CC BY-NC-SA 4.0*
 - 7.7: Multisite Redox Enzymes (Part 3) - *CC BY-NC-SA 4.0*
 - 7.8: Multisite Redox Enzymes (Part 4) - *CC BY-NC-SA 4.0*
 - 7.9: Multisite Redox Enzymes (Part 5) - *CC BY-NC-SA 4.0*
 - 7.10: Multisite Redox Enzymes (Part 6) - *CC BY-NC-SA 4.0*
 - 7.11: Report on the Nitrogenase Crystal Structure (λ {378-381}) - *CC BY-NC-SA 4.0*
 - 7.12: Rubredoxin- A Single-Fe Tetrathiolate Protein - *CC BY-NC-SA 4.0*
- 8: Metal/Nucleic Acid Interactions - *CC BY-NC-SA 4.0*
 - 8.1: The Basics - *CC BY-NC-SA 4.0*
 - 8.2: The Basics (Part 2) - *CC BY-NC-SA 4.0*
 - 8.3: A Case Study- Tris(phenanthroline) Metal Complexes - *CC BY-NC-SA 4.0*
 - 8.4: Applications of Different Metal Complexes that Bind Nucleic Acids - *CC BY-NC-SA 4.0*
 - 8.5: Applications of Different Metal Complexes that Bind Nucleic Acids (Part 2) - *CC BY-NC-SA 4.0*
 - 8.6: Nature's Use of Metal/Nucleic-acid Interactions - *CC BY-NC-SA 4.0*
- 9: Metals in Medicine - *CC BY-NC-SA 4.0*

- Front Matter - *Undeclared*
 - TitlePage - *Undeclared*
 - InfoPage - *Undeclared*
- 9.1: Metal Deficiency and Disease - *CC BY-NC-SA 4.0*
- 9.2: Toxic Effects of Metals - *CC BY-NC-SA 4.0*
- 9.3: Aspects of Platinum Binding to DNA - *CC BY-NC-SA 4.0*
- 9.4: Survey of Metals Used for Diagnosis and Chemotherapy - *CC BY-NC-SA 4.0*
- 9.5: Platinum Anticancer Drugs- A Case Study - *CC BY-NC-SA 4.0*
- 9.6: Mapping the Major Adducts of cis- and trans-DDP on DNA; Sequence Specificity - *CC BY-NC-SA 4.0*
- 9.7: Structure of Platinum-DNA Complexes - *CC BY-NC-SA 4.0*
- 9.8: Site-specifically Platinated DNA $\{(\text{Pt}(\text{NH}_3)_2)\}$ - *CC BY-NC-SA 4.0*
- 9.9: Bioinorganic Chemistry of Platinum Anticancer Drugs- How Might They Work? - *CC BY-NC-SA 4.0*
- 9.10: Bioinorganic Chemistry of Platinum Anticancer Drugs; How Might They Work? (Part 2) - *CC BY-NC-SA 4.0*
- 9.11: Design of New Inorganic Anticancer Drugs - *CC BY-NC-SA 4.0*
- Back Matter - *Undeclared*
 - Index - *Undeclared*
- Back Matter - *CC BY-NC-SA 4.0*
 - Index - *Undeclared*
 - Glossary - *Undeclared*
 - Detailed Licensing - *Undeclared*