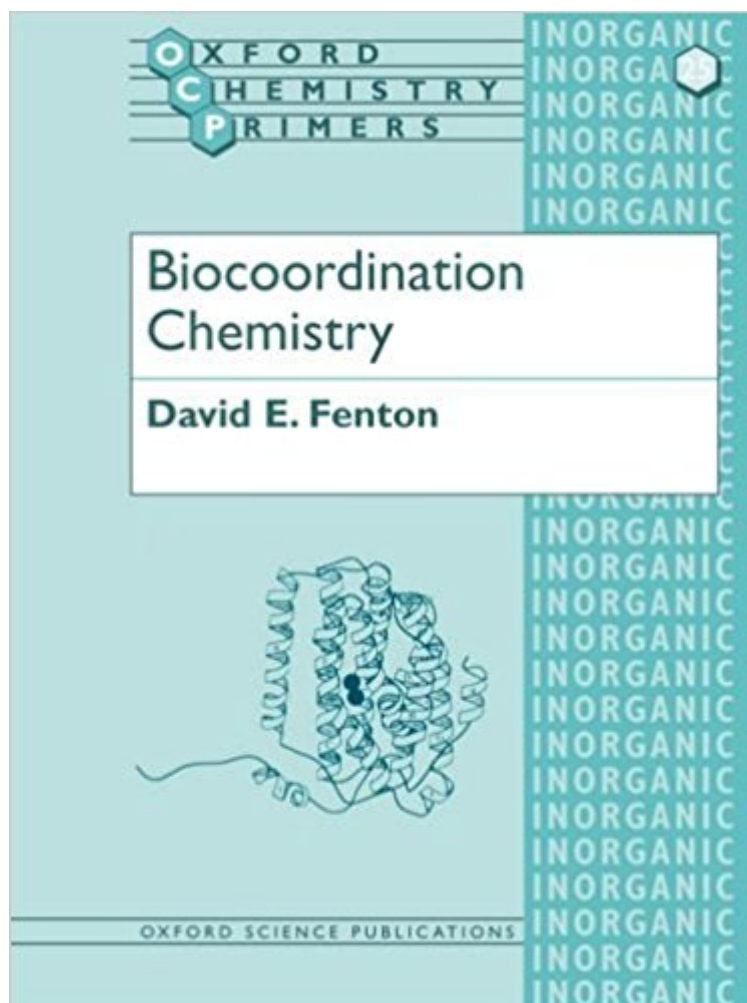


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Synopsis

The role of transition metals in various biological systems is of great interest to chemists; the specific properties of these metals often define the biological function of the proteins and systems these metals are found in. This volume introduces readers to a number of topics, including the transport and storage of metals; their functions in dioxygen interactions, electron transfer, and enzyme activity; the therapeutic uses of coordination compounds; and the role that small-molecule models can play in advancing our knowledge of the structure and function of transition metals contained in metalloproteins.

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The role of transition metals in biological systems is an area of great interest to chemists: the chemical properties of these metals often define the biological function of the proteins and systems these metals are found in. In this introductory text students are introduced to a number of topics: the transport and storage of metals; their functions in dioxygen interactions, electron transfer, and enzyme activity; the therapeutic uses of coordination compounds; and the role that small molecule models can play in advancing our knowledge of the structure and function of transition metals contained in metalloproteins.

David E. Fenton is at University of Sheffield.

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