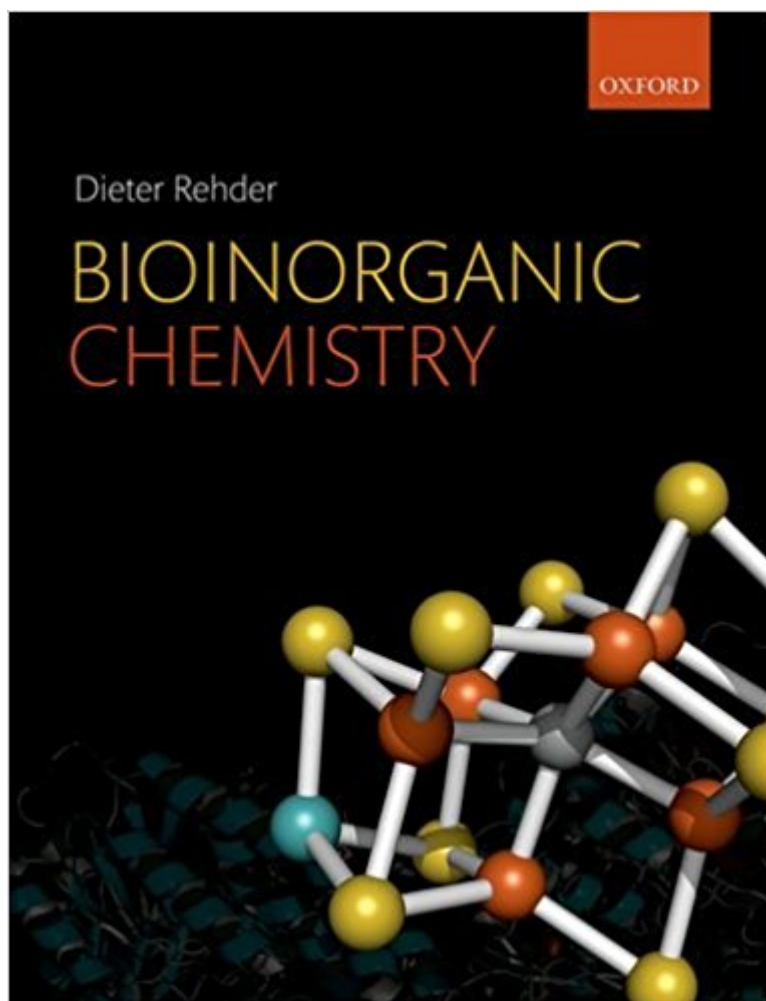


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Bioinorganic Chemistry



Synopsis

Bioinorganic chemistry lies at the interface of inorganic chemistry and biochemistry, and explores the function of inorganic species in living systems - from the iron that helps our red blood cells transport oxygen to our tissues, to the calcium that forms an integral part of our bones. In their book, Rehder and Nordlander provide a broad overview of this dynamic field, reviewing the key chemical elements that have important biological function, and exploring how the chemistry of these elements is central to the function of biological systems. With sidebars that both review underlying principles of importance to the subject - including the concepts of magnetism and chirality - and discuss some of the analytical approaches that have enabled us to elucidate the biological role of the chemical elements, Bioinorganic Chemistry is the ideal resource for those discovering the field for the first time, and who need a clear, balanced account of the subject. Online Resource Centre The Online Resource Centre to accompany Bioinorganic Chemistry features figures from the book in electronic format, for use in lecture slides and other teaching materials.

Book Information

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Until now, our bookshelves have lacked a modern and conceptual textbook on bioinorganic chemistry. Rehder's Bioinorganic Chemistry now fills that gap. This textbook covers general concepts, discusses current literature, and inspires students for individual additional examinations. For these reasons, I strongly recommend this textbook for students and will incorporate it into my future teaching. * Angewandte Chemie International Edition, 2014, Issue 53 *

Dieter Rehder is Professor at the Institute of Inorganic and Applied Chemistry, University of Hamburg. He was winner of the Vanadis Award 2006 for outstanding research in the field of vanadium chemistry.

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