



Stereochemistry of Coordination Compounds

By Alexander von Zelewsky

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This well-illustrated and well-referenced book provides a systematic introduction to the modern aspects of the topographical stereochemistry of coordination compounds, which are made up of metal ions surrounded by other non-metal atoms, ions and molecules.



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Stereochemistry of Coordination Compounds By Alexander von Zelewsky Bibliography

- Sales Rank: #5647556 in Books
- Published on: 1996-05-21
- Original language: English
- Number of items: 1
- Dimensions: 9.67" h x .67" w x 7.32" l, 1.20 pounds
- Binding: Paperback
- 266 pages

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Editorial Review

From the Back Cover

This series of textbooks reflects the breadth of modern research in inorganic chemistry and fulfils the need for advanced texts. The series will cover the whole range of inorganic and physical chemistry, solid state chemistry, coordination chemistry, organometallic chemistry, main group chemistry and bioinorganic chemistry.

100 years after the formulation of the coordination theory by Alfred Werner, stereochemical considerations are again at the centre of interest in the development of metal complexes. Reflecting this renewed interest, Stereochemistry of Coordination Compounds explains the modern aspects of this area of chemistry, firstly by introducing the stereochemistry of various coordination geometries. The later chapters go on to address applications in the field of polynuclear species and stereochemical aspects of reactions, including enantioselective catalysis. Stereochemistry of Coordination Compounds provides:

- * A systematic introduction to the structures of molecular species with atoms of various coordination number, focusing on the most important octahedral case
- * A presentation of the principles that are applied to produce molecular helices, chains and knots
- * An account of the historical background of the stereochemistry of coordination compounds
- * An introduction to the stereochemical nomenclature of coordination compounds
- * Electronic figure files that are available on the Internet

Stereochemistry of Coordination Compounds is essential reading for undergraduates, post-graduate students and lecturers specializing in coordination chemistry in inorganic and bioinorganic chemistry. The cover shows a 'random pattern' stereogram of an octahedron, designed by Oliver Fuhrer, Lupsingen, Switzerland. In the text, extensive use is made of the ability of computers to display 3D pairs of molecules. The grey scale figure that was used to create the random pattern stereogram is shown below.

Users Review

From reader reviews:

Kyle Coffman:

The feeling that you get from Stereochemistry of Coordination Compounds will be the more deep you excavating the information that hide in the words the more you get enthusiastic about reading it. It does not mean that this book is hard to comprehend but Stereochemistry of Coordination Compounds giving you buzz feeling of reading. The copy writer conveys their point in certain way that can be understood simply by anyone who read that because the author of this book is well-known enough. This particular book also makes your own personal vocabulary increase well. Making it easy to understand then can go to you, both in printed or e-book style are available. We propose you for having this kind of Stereochemistry of Coordination Compounds instantly.

Doreen Harry:

People live in this new time of lifestyle always make an effort to and must have the free time or they will get large amount of stress from both way of life and work. So , once we ask do people have free time, we will

say absolutely yes. People is human not really a robot. Then we request again, what kind of activity have you got when the spare time coming to anyone of course your answer will probably unlimited right. Then do you try this one, reading books. It can be your alternative throughout spending your spare time, the actual book you have read is Stereochemistry of Coordination Compounds.

Thomas Fleischmann:

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