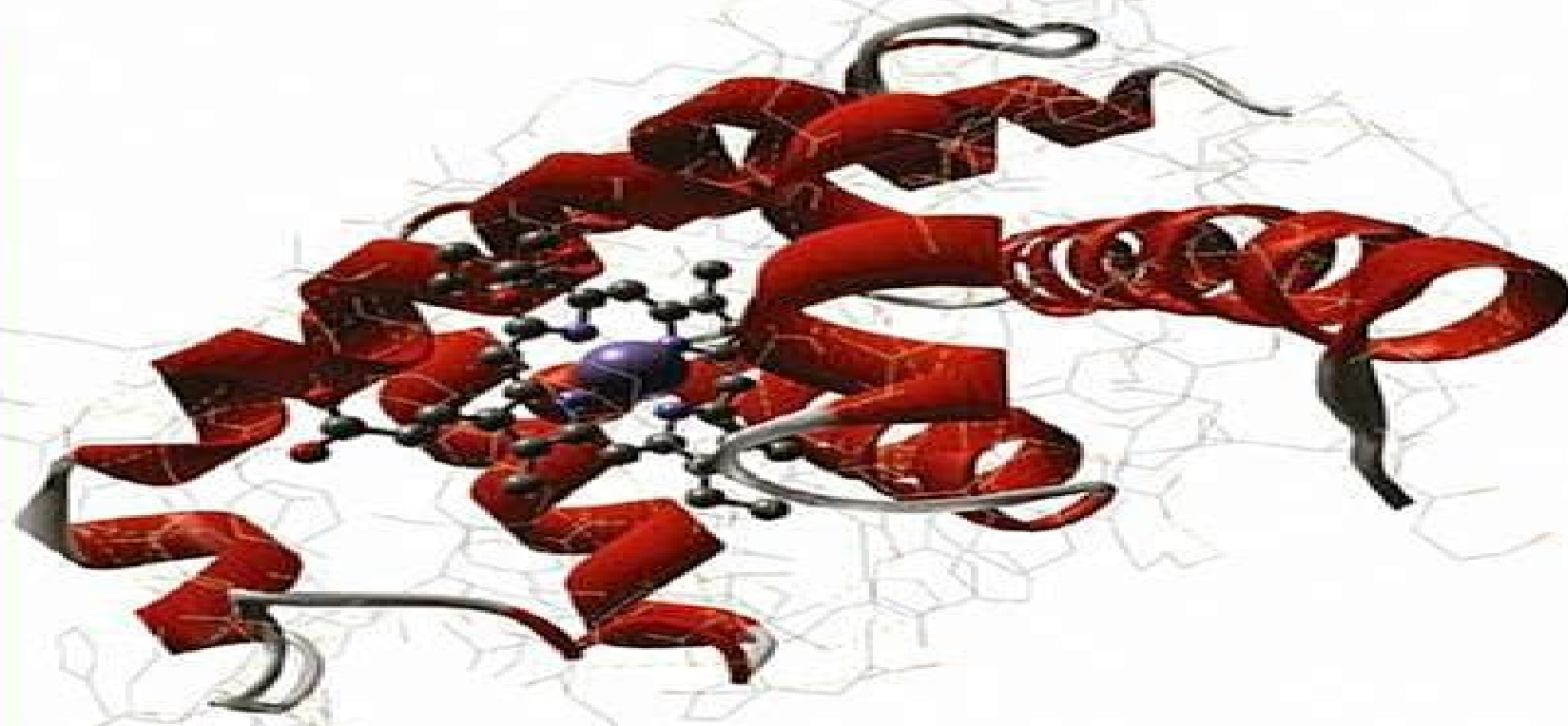


Dieter Wöhrle, Anatoli D. Pomogailo

Metal Complexes and Metals in Macromolecules

Synthesis, Structures and Properties



Metal Complexes And Metals In Macromolecules Synthesis Structure And Properties

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Metal Complexes and Metals in Macromolecules Dieter Wöhrle, Anatolii D. Pomogailo, 2003-07-09 Metals and metal complexes can form compounds with organic macromolecules that show amazing properties As is so often the case nature leads by example Synthetically produced model compounds such as phthalocyanines porphyrines or metalloproteins as well as metallorganic polymers have aroused much interest in materials science Their special magnetic electrochemical and photochemical properties open up new perspectives in microelectronics and sensors This compact manual is aimed at all organic inorganic polymer and physical chemists as well as materials scientists looking for competent and detailed information on the current state of this interdisciplinary area of research It covers all questions relating to the targeted design of metallic macromolecules from proven synthesis methods right up to the latest strategies It also treats major progress in the determination of their structures the physical chemical properties of promising compounds and their potential in microelectronics and sensors Furthermore the most important methods of synthesis and investigation are presented in detail in an experimental section while a comprehensive collection of pertinent original literature rounds off this unique reference on all matters relating to macromolecular metal complexes Macromolecular Symposia, No. 204 Edward Karakhanov, Anton Maksimov, 2003 The 10th IUPAC International Symposium on Macromolecule Metal Complexes MMC 10 took place from May 18-23 2003 in a boat traveling from Moscow along the Volga river Areas presented included several basic and applied topics in the field of advanced MMC Presented were the latest results in the fundamental aspects of Macromolecule metal complexes synthesis structure properties Electron and photonic transfer Catalysis and separation processes Supramolecules Dendrimers Molecular recognition Metal ion conductive polymers Environmental application of MMC were widely discussed **Journal of the American Chemical Society** American Chemical Society, 2004 *Books In Print 2004-2005* Ed Bowker Staff, Staff Bowker, Ed, 2004 Abstracts of Papers - American Chemical Society American Chemical Society. Meeting, American Chemical Society, 1986 *Journal* American Chemical Society, 2004 **Research Awards Index**, 1977 **Research Grants Index** National Institutes of Health (U.S.). Division of Research Grants, 1975

World Directory of Crystallographers Allan L. Bednowitz, Armin P. Segmüller, 2013-04-17 A brief historical account of the background leading to the publication of the first four editions of the World Directory of Crystallographers was presented by G Boom in his preface to the Fourth Edition published late in 1971 That edition was produced by traditional typesetting methods from compilations of biographical data prepared by national Sub Editors The major effort required to produce a directory by manual methods provided the impetus to use computer techniques for the Fifth Edition The account of the production of the first computer assisted Directory was described by S C Abrahams in the preface of the Fifth Edition Computer composition which required a machine readable data base offered several major advantages The choice of typeface and range of characters was flexible Corrections and additions to the data base were rapid and once established it was hoped

updating for future editions would be simple and inexpensive The data base was put to other Union uses such as preparation of mailing labels and formulation of lists of crystallographers with specified common fields of interest The Fifth Edition of the World Directory of Crystallographers was published in June of 1977 the Sixth in May of 1981 The Subject Indexes for the Fifth and Sixth Editions were printed in 1978 and 1981 respectively both having a limited distribution **Soviet Journal of Coordination Chemistry** ,1988 Chemical Research Faculties ,1988 *Research in Chemistry at Private Undergraduate Colleges* ,1981 **Comprehensive Dissertation Index: Chemistry, P-Z** ,1984 **Comprehensive Polymer Science** ,1992 *Peterson's Annual Guides/graduate Study* Peterson's Guides, Inc,1982 **American Doctoral Dissertations** ,1999 **Dissertation Abstracts International** ,2004 *Organometallic Chemistry in the USSR.* ,1989 Chemical Research Faculties American Chemical Society,1988 **Physics Briefs** ,1993

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