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Chimica generale e inorganica

Chimica generale ed inorganica. Con elementi di chimica organica. Per lauree triennali Chimica inorganica

Compendio di chimica. Chimica inorganica per le Scuole superiori

Physical methods in inorganic chemistry

Electronic structure of inorganic and coordination compounds

Universitas Studiorum

General and Inorganic Chemistry

New Central Book Agency This book has been written for B.SC.(Hons) undergraduate and some chapters, for M.Sc students.

Chimica inorganica

Chimica. Compendio per l'Università. Elementi di chimica inorganica e organica. Riassunti e schemi

Il libro della natura lezioni elementari di fisica, astronomia, chimica, mineralogia, geologia, botanica, fisiologia, zoologia

Fisica, astronomia, chimica

Organic Chemistry

Cengage Learning ORGANIC CHEMISTRY is a student-friendly, cutting edge introduction for chemistry, health, and the biological sciences majors. In the Eighth Edition, award-winning authors build on unified mechanistic themes, focused problem-solving, applied pharmaceutical problems and biological examples. Stepwise reaction mechanisms emphasize similarities among mechanisms using four traits: breaking a bond, making a new bond, adding a proton, and taking a proton away. Pull-out organic chemistry reaction roadmaps designed stepwise by chapter help students devise their own reaction pathways. Additional features designed to ensure student success include in-margin highlighted integral concepts, new end-of-chapter study guides, and worked examples. This edition also includes brand new author-created videos. Emphasizing "how-to" skills, this edition is packed with challenging synthesis problems, medicinal chemistry problems, and unique roadmap problems. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Book Catalogue

Natural History, Chemistry & Mathematic[s]

Introduction to Organic Chemistry

John Wiley & Sons Incorporated This book enables readers to see the connections in organic chemistry and understand the logic. Reaction mechanisms are grouped together to reflect logical relationships. Discusses organic chemistry as it is applied to real-world compounds and problems. Electrostatic potential plots are added throughout the text to enhance the recognition and importance of molecular polarity. Presents problems in a new "Looking-Ahead" section at the end of each chapter that show how concepts constantly build upon each other. Converts many of the structural formulas to a line-angle format in order to make structural formulas both easier to recognize and easier to draw.

Spin States in Biochemistry and Inorganic Chemistry

Influence on Structure and Reactivity

John Wiley & Sons It has long been recognized that metal spin states play a central role in the reactivity of important biomolecules, in industrial catalysis and in spin crossover compounds. As the fields of inorganic chemistry and catalysis move towards the use of cheap, non-toxic first row transition metals, it is essential to understand the important role of spin states in influencing molecular structure, bonding and reactivity. Spin States in Biochemistry and Inorganic Chemistry provides a complete picture on the importance of spin states for reactivity in biochemistry and inorganic chemistry, presenting both theoretical and experimental perspectives. The successes and pitfalls of theoretical methods such as DFT, ligand-field theory and coupled cluster theory are discussed, and these methods are applied in studies throughout the book. Important spectroscopic techniques to determine spin states in transition metal complexes and proteins are explained, and the use of NMR for the analysis of spin densities is described. Topics covered include: DFT and ab initio wavefunction approaches to spin states Experimental techniques for determining spin states Molecular discovery in spin crossover Multiple spin state scenarios in organometallic reactivity and gas phase reactions Transition-metal complexes involving redox non-innocent ligands Polynuclear iron sulfur clusters Molecular magnetism NMR analysis of spin densities This book is a valuable reference for researchers working in bioinorganic and inorganic chemistry, computational chemistry, organometallic chemistry, catalysis, spin-crossover materials, materials science, biophysics and pharmaceutical chemistry.

Lezioni di Chimica

Società Editrice Esculapio II fine di questo libro, la cui prima edizione risale all'anno 2002, è quello di fornire agli studenti dei corsi di chimica del primo anno dei corsi di laurea di primo livello delle varie facoltà universitarie uno strumento valido, e nello stesso tempo semplice, per lo studio della chimica di base. Nella prima edizione erano stati trattati solo gli argomenti fondamentali della Chimica Generale, tralasciando altri argomenti, che non rientravano nei programmi di un corso di laurea triennale. Il libro fu accolto dagli studenti con molto favore e negli anni successivi si resero necessarie tre nuove edizioni allo scopo di rivedere alcuni contenuti anche perché, nel frattempo, gli ordinamenti didattici dei corsi di

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laurea avevano subito delle modifiche, soprattutto per quanto riguardava il numero dei crediti formativi assegnati alle varie discipline. Sostanzialmente, nelle successive due edizioni, oltre all'aggiunta, in capitoli esistenti, di nuovi argomenti e approfondimenti, furono inseriti due nuovi capitoli sulla chimica degli elementi, cioè un capitolo di chimica inorganica e un capitolo, tra l'altro molto breve e sintetico, di chimica organica. Nella quarta edizione furono poi inseriti esercizi svolti e da svolgere alla fine di molti capitoli. E' infatti nostra convinzione che lo svolgimento di questi problemi aiuti gli studenti non solo a preparare la prova scritta, ma soprattutto a comprendere a fondo gli argomenti della chimica di base, che spesso sono difficili da assimilare se non sono accompagnati da esempi e calcoli numerici. Sempre nello spirito di aiutare lo studente a verificare il suo grado di apprendimento sono stati inseriti nella quinta edizione 30 test di autovalutazione strutturati sulla falsariga dei compiti assegnati agli studenti del primo anno dei corsi dei quali gli autori sono titolari. Questa sesta edizione è ulteriormente arricchita da una nuova serie di esercizi e test di autovalutazione disponibili online.

Programme and The Book of Abstracts / Sixth Annual Conference YUCOMAT 2004 Herceg Novi, September 13-17, 2004

Institute of Technical Sciences of SASA The First Conference on materials science and engineering, including physics, physical chemistry, condensed matter chemistry, and technology in general, was held in September 1995, in Herceg Novi. An initiative to establish Yugoslav Materials Research Society was born at the conference and, similar to other MR societies in the world, the programme was made and objectives determined. The Yugoslav Materials Research Society (Yu-MRS), a nongovernment and non-profit scientific association, was founded in 1997 to promote multidisciplinary goal-oriented research in materials science and engineering. The main task and objective of the Society has been to encourage creativity in materials research and engineering to reach a harmonic coordination between achievements in this field in our country and analogous activities in the world with an aim to include our country into global international projects. Until 2003, Conferences were held every second year and then they grew into Annual Conferences that were traditionally held in Herceg Novi in September of every year. In 2007 Yu-MRS formed two new MRS: MRS-Serbia (official successor of Yu-MRS) and MRS-Montenegro (in founding). In 2008, MRS - Serbia became a member of FEMS (Federation of European Materials Societies).

Chemistry & Chemical Reactivity

Cengage Learning Succeed in chemistry with the clear explanations, problem-solving strategies, and dynamic study tools of CHEMISTRY & CHEMICAL REACTIVITY, 9e. Combining thorough instruction with the powerful multimedia tools you need to develop a deeper understanding of general chemistry concepts, the text emphasizes the visual nature of chemistry, illustrating the close interrelationship of the macroscopic, symbolic, and particulate levels of chemistry. The art program illustrates each of these levels in engaging detail--and is fully integrated with key media components. In addition access to OWLv2 may be purchased separately or at a special price if packaged with this text. OWLv2 is an online homework and tutorial system that helps you maximize your study time and improve your success in the course. OWLv2 includes an interactive eBook, as well as hundreds of guided simulations, animations, and video clips. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Chimica

The Elements of Physical Chemistry

W. H. Freeman A brief version of the best-selling physical chemistry book. Its ideal for the one-semester physical chemistry course, providing an introduction to the essentials of the subject without too much math.

Esercizi svolti. Chimica generale. Principi ed applicazioni moderne

Trattato elementare di chimica applicata specialmente alla medicina e alla agricoltura

1: Chimica inorganica

Cadmium: From Toxicity to Essentiality

Springer Science & Business Media Volume 11 provides in an authoritative and timely manner in 16 stimulating chapters, written by 40 internationally recognized experts from 11 nations, and supported by more than 2600 references, 35 tables, and over 100 illustrations, many in color, a most up-to-date view on the role of cadmium for life, presently a vibrant research area. MILS-11 covers the bioinorganic chemistry of Cd(II), its biogeochemistry, anthropogenic release into the environment, and speciation in the atmosphere, waters, soils, and sediments. The analytical tools for Cd determination, its imaging in cells, and the use of 113Cd NMR to probe Zn(II) and Ca(II) proteins are summarized, as are Cd(II) interactions with nucleotides, nucleic acids, amino acids, and proteins including metallothioneins. The phytoremediation by Cd(II)-accumulating plants, etc., the toxicology of Cd(II), its damage to mammalian organs, and its role as a carcinogen for humans, are highlighted.

The Vitamin D Cure

John Wiley & Sons Groundbreaking new research has traced the source of a wide array of to a single common factor—vitamin D deficiency. Leading rheumatologist and researcher Dr. James Dowd reveals the causes of vitamin D deficiency and offers a simple, easy-to-follow five-step program that can eliminate or alleviate a host of seemingly incurable conditions, such as arthritis, in as little as six weeks. Better yet, by staying on the program, you can enjoy robust health and improved fitness for the rest of your life.

Trattato elementare di chimica applicata specialmente alla medicina e alla agricoltura di Sebastiano Purgotti

Chimica inorganica metalloidi

Programme and The Book of Abstracts / Twelfth Annual Conference YUCOMAT 2010 Herceg Novi, September 6–10, 2010

Institute of Technical Sciences of the Serbian Academy of Sciences and Arts The First Conference on materials science and engineering, including physics, physical chemistry, condensed matter chemistry, and technology in general, was held in September 1995, in Herceg Novi. An initiative to establish Yugoslav Materials Research Society was born at the conference and, similar to other MR societies in the world, the programme was made and objectives determined. The Yugoslav Materials Research Society (Yu-MRS), a nongovernment and non-profit scientific association, was founded in 1997 to promote multidisciplinary goal-oriented research in materials science and engineering. The main task and objective of the Society has been to encourage creativity in materials research and engineering to reach a harmonic coordination between achievements in this field in our country and analogous activities in the world with an aim to include our country into global international projects. Until 2003, Conferences were held every second year and then they grew into Annual Conferences that were traditionally held in Herceg Novi in September of every year. In 2007 Yu-MRS formed two new MRS: MRS-Serbia (official successor of Yu-MRS) and MRS-Montenegro (in founding). In 2008, MRS - Serbia became a member of FEMS (Federation of European Materials Societies). The Twelfth Annual Conference YUCOMAT 2010 was held on September 6-10, 2010 in Heceg Novi, Montenegro

IUPAC Recommendations 2005

Royal Society of Chemistry The 'Red Book' is the definitive guide for scientists requiring internationally approved inorganic nomenclature in a legal or regulatory environment.

Smithsonian Miscellaneous Collections

A Select Bibliography of Chemistry, 1492-1892

Interrelations between Essential Metal Ions and Human Diseases

Springer Science & Business Media MILS-13 provides an up-to-date review on the relationships between essential metals and human diseases, covering 13 metals and 3 metalloids: The bulk metals sodium, potassium, magnesium, and calcium, plus the trace elements manganese, iron, cobalt, copper, zinc, molybdenum, and selenium, all of which are essential for life. Also covered are chromium, vanadium, nickel, silicon, and arsenic, which have been proposed as being essential for humans in the 2nd half of the last century. However, if at all, they are needed only in ultra-trace amounts, and because of their prevalence in the environment, it has been difficult to prove whether or not they are required. In any case, all these elements are toxic in higher concentrations and therefore, transport and cellular concentrations of at least the essential ones, are tightly controlled; hence, their homeostasis and role for life, including deficiency or overload, and their links to illnesses, including cancer and neurological disorders, are thoroughly discussed. Indeed, it is an old wisdom that metals are indispensable for life. Therefore, Volume 13 provides in an authoritative and timely manner in 16 stimulating chapters, written by 29 internationally recognized experts from 7 nations, and supported by more than 2750 references, and over 20 tables and 80 illustrations, many in color, a most up-to-date view on the vibrant research area of the Interrelations between Essential Metal Ions and Human Diseases.

Trattato elementare di Chimica inorganica. Seconda edizione

Chimica inorganica

lezioni tenute nel R. Politecnico di Milano ...

Advanced Practical Inorganic and Metalorganic Chemistry

CRC Press While the boundaries between the areas of chemistry traditionally labeled as inorganic, organic and physical are gradually diffusing, the practical techniques adopted by workers in each of these areas are often radically different. The breadth and variety of research classed as "inorganic chemistry" is readily apparent from an inspection of some of the leading international journals, and can be quite daunting for newcomers to this domain who are likely to have only limited experience of the methodologies involved. This book has therefore been written to provide guidance for those unfamiliar with the techniques most often encountered in synthetic inorganic / metalorganic chemistry, with an emphasis on procedures for handling air-sensitive compounds. One chapter is devoted to more specialized techniques such as metal vapor synthesis, and a review of preparative methods for a selection of starting materials is included as an aid to those planning research projects. While this book is aimed primarily at postgraduate and advanced undergraduate students involved in inorganic research projects, synthetic organic chemists and industrial chemists will also find much useful information within its pages. Similarly, it serves as a useful reference source for materials and polymer scientists who wish to take advantage of recent progress in precursor synthesis and catalyst development.

Book of Abstracts

Fourteenth European Crystallographic Meeting, ECM-14, University of Twente, Enschede, the Netherlands, August 2-7, 1992

Modern Surface Organometallic Chemistry

John Wiley & Sons Covering everything from the basics to recent applications, this monograph represents an advanced overview of the field. Edited by internationally acclaimed experts respected throughout the community, the book is clearly divided into sections on fundamental and applied surface organometallic chemistry. Backed by numerous examples from the recent literature, this is a key reference for all chemists.

Organic Chemistry

A Biological Approach

Brooks/Cole Publishing Company Renowned for his student-friendly writing style, John McMurry introduces a new way to teach organic chemistry: ORGANIC CHEMISTRY: A BIOLOGICAL APPROACH. Traditional foundations of organic chemistry are enhanced by a consistent integration of biological examples and discussion of the organic chemistry of biological pathways. This innovative text is coupled with media integration through Organic ChemistryNow and Organic OWL, providing instructors and students the tools they need to succeed.

The Elements: A Very Short Introduction

Oxford University Press This Very Short Introduction traces the history and cultural impact of the elements on humankind, and examines why people have long sought to identify the substances around them. Looking beyond the Periodic Table, the author takes the reader on an engaging and entertaining tour: from the Greek philosophers who propounded a system with four elements - earth, air, fire, and water - to the modern-day scientists who are able to create their own.

Journal of the American Chemical Society

Proceedings of the Society are included in v. 1-59, 1879-1937.

Molecular Magnetic Materials on Solid Surfaces

Firenze University Press

Chemical Processes in Marine Environments

Springer Science & Business Media This book discusses recent developments in the study of chemical processes and equilibria in the marine environment and in the air/water and water/sediment interfaces. The chemical cycle of carbon as well as the effect of organic substances on the speciation and distribution of inorganic and organometallic substances are extensively discussed. Much of the recent progress in the area is the direct result of advanced analytical technologies and chemometric applications which are highlighted in the book.

Chemistry of Marine Water and Sediments

Springer Science & Business Media The most important processes on the Earth's surface occur in the Ocean where materials and energy are primarily exchanged. In the case of marine chemistry different fields of chemistry from organic to inorganic as well as thermodynamics and biochemistry are involved. Analytical Chemistry is a very important tool for the quantification of biogeochemical processes by providing correct and even more sophisticated methodologies. These are often directly applied 'in situ', in order to detect trace and ultra-trace natural and anthropogenic substances. Kinetic and thermodynamic studies allow us to establish whether the process occurs. Once discovered it is then possible to build up general models for environmental systems. This book gathers many aspects with the aim of creating a general picture of the chemical processes occurring in the marine environment

Chimica generale. Soluzione degli esercizi. Principi e applicazioni moderne