

Principles Of Chemistry A Molecular Approach 2nd Edition

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Comprehensive Supramolecular Chemistry II, Second Edition is a 'one-stop shop' that covers supramolecular chemistry, a field that originated from the work of researchers in organic, inorganic and physical chemistry, with some biological influence. The original edition was structured to reflect, in part, the origin of the field. However, in the past two decades, the field has changed a great deal as reflected in this new work that covers the general principles of supramolecular chemistry and molecular recognition, experimental and computational methods in supramolecular chemistry, supramolecular receptors, dynamic supramolecular chemistry, supramolecular engineering, crystallographic (engineered) assemblies, sensors, imaging agents, devices and the latest in nanotechnology. Each section begins with an introduction by an expert in the field, who offers an initial perspective on the development of the field. Each article begins with outlining basic concepts before moving on to more advanced material. Contains content that begins with the basics before moving on to more complex concepts, making it suitable for advanced undergraduates as well as academic researchers Focuses on application of the theory in practice, with particular focus on areas that have gained increasing importance in the 21st century, including

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nanomedicine, nanotechnology and medicinal chemistry Fully rewritten to make a completely up-to-date reference work that covers all the major advances that have taken place since the First Edition published in 1996

This latest edition of Social Policy Review presents an up-to-date and diverse review of the best in social policy scholarship with a special focus on work, employment and insecurity.

Volume 54 of Reviews in Mineralogy and Geochemistry focuses upon the various processes by which organisms direct the formation of minerals. Our framework of examining biominerals from the viewpoints of major mineralization strategies distinguishes this volume from most previous reviews. The review begins by introducing the reader to overarching principles that are needed to investigate biomineralization phenomena and shows the current state of knowledge regarding the major approaches to mineralization that organisms have developed over the course of Earth history. By exploring the complexities that underlie the "synthesis" of biogenic materials, and therefore the basis for how compositions and structures of biominerals are mediated (or not), we believe this volume will be instrumental in propelling studies of biomineralization to a new level of research questions that are grounded in an understanding of the underlying biological phenomena.

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Chemistry and chemical engineering have changed significantly in the last decade. They have broadened their scope into biology, nanotechnology, materials science, computation, and advanced methods of process systems engineering and control so much that the programs in most chemistry and chemical engineering departments now barely resemble the classical notion of chemistry. Beyond the Molecular Frontier brings together research, discovery, and invention across the entire spectrum of the chemical sciences from fundamental, molecular-level chemistry to large-scale chemical processing technology. This reflects the way the field has evolved, the synergy at universities between research and education in chemistry and chemical engineering, and the way chemists and chemical engineers work together in industry. The astonishing developments in science and engineering during the 20th century have made it possible to dream of new goals that might previously have been considered unthinkable. This book identifies the key opportunities and challenges for the chemical sciences, from basic research to societal needs and from terrorism defense to environmental protection, and it looks at the ways in which chemists and chemical engineers can work together to contribute to an improved future.

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Adapted from Nivaldo J. Tro's best-selling general chemistry book, *Principles of Chemistry: A Molecular Approach* focuses exclusively on the core concepts of general chemistry without sacrificing depth or relevance. Tro's unprecedented two- and three-column problem-solving approach is used throughout to give students sufficient practice in this fundamental skill. A unique integration of macroscopic, molecular, and symbolic illustrations helps students to visualize the various dimensions of chemistry; Tro's engaging writing style captures student's attention with relevant applications. The Second Edition offers a wealth of new and revised problems, approximately 50 new conceptual connections, an updated art program throughout, and is available with MasteringChemistry®, the most advanced online tutorial and assessment program available. This package contains: *Principles of Chemistry: A Molecular Approach, Second Edition*

Study more effectively and improve your performance at exam time with this comprehensive guide. Written to work hand-in hand with *PRINCIPLES OF CHEMISTRY: THE MOLECULAR SCIENCE, 1st Edition*, this user-friendly guide includes a wide variety of learning tools to help you master the key concepts of the course.

Quantitative studies on structure-activity and structure-property relationships are powerful tools in directed drug research. In recent years, various strategies have been developed to characterize and classify structural patterns by means of molecular descriptors. It has become possible not only to assess diversities or similarities of structure databases, but molecular descriptors also facilitate the identification of potential bioactive molecules from the rapidly increasing number of compound libraries. They even allow for a controlled de-novo design of new lead structures. This is the most comprehensive collection of molecular descriptors

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and presents a detailed review from the origins of this research field up to present day. This practically oriented reference book gives a thorough overview of the different molecular descriptors representations and their corresponding molecular descriptors. All descriptors are listed with their definition, symbols and labels, formulas, some numerical examples, data and molecular graphs, while numerous figures and tables aid comprehension of the definitions. Cross-references throughout, a list of acronyms and notations allow easy access to the information needed to solve a specific research problem. Examples of descriptor calculations along with tables of descriptor values for a set of selected reference compounds and an up-to-date reference list add to the practical value of the book, making it an invaluable guide for all those dealing with bioactive molecules as well as for researchers.

A comprehensive yet accessible exploration of quantum chemical methods for the determination of molecular properties of spectroscopic relevance Molecular properties can be probed both through experiment and simulation. This book bridges these two worlds, connecting the experimentalist's macroscopic view of responses of the electromagnetic field to the theoretician's microscopic description of the molecular responses. Comprehensive in scope, it also offers conceptual illustrations of molecular response theory by means of time-dependent simulations of simple systems. This important resource in physical chemistry offers: A journey in electrodynamics from the molecular microscopic perspective to the conventional macroscopic viewpoint The construction of Hamiltonians that are appropriate for the quantum mechanical description of molecular properties Time- and frequency-domain perspectives of light-matter interactions and molecular responses of both electrons and nuclei An introduction to

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approximate state response theory that serves as an everyday tool for computational chemists A unified presentation of prominent molecular properties Principles and Practices of Molecular Properties: Theory, Modeling and Simulations is written by noted experts in the field. It is a guide for graduate students, postdoctoral researchers and professionals in academia and industry alike, providing a set of keys to the research literature.

This textbook provides essential information for students of inorganic chemistry or for chemists pursuing self-study. The presentation of topics is made with an effort to be clear and concise so that the book is portable and user friendly. Inorganic Chemistry 2E is divided into five major themes (structure, condensed phases, solution chemistry, main group and coordination compounds) with several chapters in each. There is a logical progression from atomic structure to molecular structure to properties of substances based on molecular structures, to behavior of solids, etc. The author emphasizes fundamental principles-including molecular structure, acid-base chemistry, coordination chemistry, ligand field theory, and solid state chemistry -and presents topics in a clear, concise manner. There is a reinforcement of basic principles throughout the book. For example, the hard-soft interaction principle is used to explain hydrogen bond strengths, strengths of acids and bases, stability of coordination compounds, etc. The book contains a balance of topics in theoretical and descriptive chemistry. New to this Edition: New and improved illustrations including symmetry and 3D molecular orbital representations Expanded coverage of spectroscopy, instrumental techniques, organometallic and bio-inorganic chemistry More in-text worked-out examples to encourage active learning and to prepare students for their exams • Concise coverage maximizes student understanding and minimizes the inclusion of details students are unlikely to

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use. • Discussion of elements begins with survey chapters focused on the main groups, while later chapters cover the elements in greater detail. • Each chapter opens with narrative introductions and includes figures, tables, and end-of-chapter problem sets.

For two-semester courses in General Chemistry Principles of Chemistry: A Molecular Approach presents core concepts without sacrificing rigor, enabling students to make connections between chemistry and their lives or future careers. Drawing upon his classroom experience as an award-winning educator, Professor Tro extends chemistry to the student's world by capturing student attention with examples of everyday processes and a captivating writing style.

Throughout this student-friendly text, chemistry is presented visually through multi-level images that help students see the connections between the world around them (macroscopic), the atoms and molecules that compose the world (molecular), and the formulas they write down on paper (symbolic). The 4th Edition pairs digital, pedagogical innovation with insights from learning design and educational research to create an active, integrated, and easy-to-use framework.

Get the foundational knowledge you need to successfully work in a real-world, clinical lab with Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 8th Edition. From highly respected clinical chemistry expert Nader Rifai, this condensed, easier-to-understand version of the acclaimed Tietz Textbook of Clinical Chemistry and Molecular Diagnostics uses a laboratory perspective to guide you through selecting and performing diagnostic lab tests and accurately evaluating the results. Coverage includes laboratory principles, analytical techniques, instrumentation, analytes, pathophysiology, and more. This eighth edition features new clinical cases from The Coakley Collection, new questions from The Deacon's Challenge of Biochemical

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Calculations Collection, plus new content throughout the text to ensure you stay ahead of all the latest techniques, instrumentation, and technologies. Condensed version of the clinical chemistry bible offers the same authoritative and well-presented content in a much more focused and streamlined manner. Coverage of analytical techniques and instrumentation includes optical techniques, electrochemistry, electrophoresis, chromatography, mass spectrometry, enzymology, immunochemical techniques, microchips, automation, and point of care testing. Updated chapters on molecular diagnostics cover the principles of molecular biology, nucleic acid techniques and applications, and genomes and nucleic acid alterations, reflecting the changes in this rapidly evolving field. Learning objectives, key words, and review questions are included in each chapter to support learning. More than 500 illustrations plus easy-to-read tables help readers better understand and remember key concepts. The purpose of this book is to provide the reader with essential keys to a unified understanding of the rapidly expanding field of molecular materials and devices: electronic structures and bonding, magnetic, electrical and photo-physical properties, and the mastering of electrons in molecular electronics. Chemists will discover how basic quantum concepts allow us to understand the relations between structures, electronic structures, and properties of molecular entities and assemblies, and to design new molecules and materials. Physicists and engineers will realize how the molecular world fits in with their need for systems flexible enough to check theories or provide original solutions to exciting new scientific and technological challenges. The non-specialist will find out how molecules behave in electronics at the most minute, sub-nanosize level. The comprehensive overview provided in this book is unique and will benefit undergraduate and graduate students in

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chemistry, materials science, and engineering, as well as researchers wanting a simple introduction to the world of molecular materials.

Principles of Chemistry A Molecular Approach Prentice Hall

This readily comprehensible book explains the identification of molecular targets via cellular assays, reporter genes or transgenic models, as well as surveying recent advances in the synthesis, separation and analysis of drugs. A special section is devoted to molecular genetics methods. With its examination of these novel methods and generous practical advice, this is essential reading for all pharmaceutical chemists, molecular biologists and medical researchers using molecular methods to study drugs and their action.

For courses in chemistry. Actively engage students to become expert problem solvers and critical thinkers Nivaldo Tro's Chemistry: A Molecular Approach presents chemistry visually through multi-level images-macroscopic, molecular, and symbolic representations-to help students see the connections between the world they see around them, the atoms and molecules that compose the world, and the formulas they write down on paper. Interactive, digital versions of select worked examples instruct students how to break down problems using Tro's unique "Sort, Strategize, Solve, and Check" technique and then complete a step in the example.

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To build conceptual understanding, Dr. Tro employs an active learning approach through interactive media that requires students to pause during videos to ensure they understand before continuing. The 5th Edition pairs digital, pedagogical innovation with insights from learning design and educational research to create an active, integrated, and easy-to-use framework. The new edition introduces a fully integrated book and media package that streamlines course set up, actively engages students in becoming expert problem solvers, and makes it possible for professors to teach the general chemistry course easily and effectively. Also available with Mastering Chemistry By combining trusted author content with digital tools and a flexible platform, Mastering personalizes the learning experience and improves results for each student. The fully integrated and complete media package allows instructors to engage students before they come to class, hold them accountable for learning during class, and then confirm that learning after class. Note: You are purchasing a standalone product; Mastering Chemistry does not come packaged with this content. Students, if interested in purchasing this title with Mastering Chemistry, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and Mastering

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This profusely illustrated book, by a world-renowned chemist and award-winning chemistry teacher, provides science students with an introduction to atomic and molecular structure and bonding. (This is a reprint of a book first published by Benjamin/Cummings, 1973.)

This first systematic overview for more than a decade is tailor-made for the medicinal chemist. All the chapters are written by experienced drug developers and include practical examples from real drug candidates. Following an introduction to global drug properties and their impact on drug research, screening and combinatorial chemistry libraries, this handbook demonstrates the best and fastest way to estimate those properties most relevant for the efficiency and pharmacokinetic performance of a drug molecule: lipophilicity, solubility, electronic properties and conformation.

The detection and measurement of the dynamic regulation and interactions of cells and proteins

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within the living cell are critical to the understanding of cellular biology and pathophysiology. The multidisciplinary field of molecular imaging of living subjects continues to expand with dramatic advances in chemistry, molecular biology, therapeutics, engineering, medical physics and biomedical applications. *Molecular Imaging: Principles and Practice, Volumes 1 and 2, Second Edition* provides the first point of entry for physicians, scientists, and practitioners. This authoritative reference book provides a comprehensible overview along with in-depth presentation of molecular imaging concepts, technologies and applications making it the foremost source for both established and new investigators, collaborators, students and anyone interested in this exciting and important field. The most authoritative and comprehensive resource available in the molecular-imaging field, written by over 170 of the leading scientists from around the world who have evaluated and summarized the most important methods, principles, technologies and data. Concepts illustrated with over 600 color figures and molecular-imaging examples. Chapters/topics include, artificial intelligence and machine learning, use of online social media, virtual and augmented reality, optogenetics, FDA regulatory process of imaging agents and devices, emerging instrumentation, MR elastography, MR fingerprinting, operational radiation safety, multiscale imaging and

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uses in drug development This edition is packed with innovative science, including theranostics, light sheet fluorescence microscopy, (LSFM), mass spectrometry imaging, combining in vitro and in vivo diagnostics, Raman imaging, along with molecular and functional imaging applications Valuable applications of molecular imaging in pediatrics, oncology, autoimmune, cardiovascular and CNS diseases are also presented This resource helps integrate diverse multidisciplinary concepts associated with molecular imaging to provide readers with an improved understanding of current and future applications

The gap between introductory level textbooks and highly specialized monographs is filled by this modern textbook. It provides in one comprehensive volume the in-depth theoretical background for molecular modeling and detailed descriptions of the applications in chemistry and related fields like drug design, molecular sciences, biomedical, polymer and materials engineering. Special chapters on basic mathematics and the use of respective software tools are included. Numerous numerical examples, exercises and explanatory illustrations as well as a web site with application tools (<http://www.amrita.edu/cen/ccmm>) support the students and lecturers.

Written by experienced experts in molecular modeling, this books describes the basics to the extent that is necessary if

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one wants to be able to reliably judge the results from molecular modeling calculations. Its main objective is the description of the various pitfalls to be avoided. Without unnecessary overhead it leads the reader from simple calculations on small molecules to the modeling of proteins and other relevant biomolecules. A textbook for beginners as well as an invaluable reference for all those dealing with molecular modeling in their daily work!

When trying to find new methods and problem-solving strategies for their research, scientists often turn to nature for inspiration. An excellent example of this is the application of Darwin's Theory of Evolution, particularly the notion of the 'survival of the fittest', in computer programs designed to search for optimal solutions to many kinds of problems. These 'evolutionary algorithms' start from a population of possible solutions to a given problem and, by applying evolutionary principles, evolve successive generations with improved characteristics until an optimal, or near-optimal, solution is obtained. This book highlights the versatility of evolutionary algorithms in areas of relevance to molecular design with a particular focus on drug design. The authors, all of whom are experts in their field, discuss the application of these computational methods to a wide range of research problems including conformational analysis, chemometrics and quantitative structure-activity relationships, de novo molecular design, chemical structure handling, combinatorial library design, and the study of protein folding. In addition, the use of evolutionary algorithms in the determination of structures by X-ray crystallography and NMR spectroscopy is also covered. These state-of-the-art reviews, together with a discussion of new techniques and future developments in the field, make this book a truly valuable and highly up-to-date resource for anyone engaged in the application or development of computer-assisted methods in scientific

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research.

Emphasises on contemporary applications and an intuitive problem-solving approach that helps students discover the exciting potential of chemical science. This book incorporates fresh applications from the three major areas of modern research: materials, environmental chemistry, and biological science.

This innovative, pedagogically driven text explains difficult concepts in a student-oriented manner. The book offers a rigorous and accessible treatment of general chemistry in the context of relevance. Chemistry is presented visually through multi-level images--macroscopic, molecular and symbolic representations--helping students see the connections among the formulas (symbolic), the world around them

(macroscopic), and the atoms and molecules that make up the world (molecular). KEY TOPICS: Units of Measurement for Physical and Chemical Change; Atoms and Elements; Molecules, Compounds, and Nomenclature; Chemical Reactions and Stoichiometry; Gases; Thermochemistry; The Quantum-Mechanical Model of the Atom; Periodic Properties of the Elements; Chemical Bonding I: Lewis Theory; Chemical Bonding II: Molecular Shapes, Valence Bond Theory, and Molecular Orbital Theory; Liquids, Solids, and Intermolecular Forces; Solutions; Chemical Kinetics; Chemical Equilibrium; Acids and Bases; Aqueous Ionic Equilibrium; Gibbs Energy and Thermodynamics; Electrochemistry; Radioactivity and Nuclear Chemistry; Organic Chemistry I: Structures; Organic Chemistry II: Reactions; Biochemistry; Chemistry of the Nonmetals; Metals and Metallurgy; Transition Metals and Coordination Compounds MARKET: Appropriate for General Chemistry (2 - Semester) courses.

This second edition of the well-established bestseller is completely updated and revised with approximately 30 %

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additional material, including two new chapters on applications, which has seen the most significant developments. The comprehensive overview written at an introductory level covers fundamental aspects, principles of instrumentation and practical applications, while providing many valuable tips. For photochemists and photophysicists, physical chemists, molecular physicists, biophysicists, biochemists and biologists, lecturers and students of chemistry, physics, and biology.

Molecular similarity has always been an important conceptual tool of chemists, yet systematic approaches to molecular similarity problems have only recently been recognized as a major contributor to our understanding of molecular properties. Advanced approaches to molecular similarity analysis have their foundation in quantum similarity measures, and are important direct or indirect contributors to some of the predictive theoretical, computational, and also experimental methods of modern chemistry. This volume provides a survey of the foundations and the contemporary mathematical and computational methodologies of molecular similarity approaches, where special emphasis is given to applications of similarity studies to a range of practical and industrially significant fields, such as pharmaceutical drug design. The authors of individual chapters are leading experts in various sub-fields of molecular similarity analysis and the related fundamental theoretical chemistry topics, as well as the relevant computational and experimental methodologies. Whereas in each chapter the emphasis is placed on a different area, nevertheless, the overall coverage and the wide scope of the book provides the reader with a general yet sufficiently detailed description that may serve as a good starting point for new studies and applications of molecular similarity approaches. The editors of this volume are grateful to the authors for their contributions, and hope that the

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readers will find this book a useful and motivating source of information in the rapidly growing field of molecular similarity analysis.

Class-tested and thoughtfully designed for student engagement, Principles of Organic Chemistry provides the tools and foundations needed by students in a short course or one-semester class on the subject. This book does not dilute the material or rely on rote memorization. Rather, it focuses on the underlying principles in order to make accessible the science that underpins so much of our day-to-day lives, as well as present further study and practice in medical and scientific fields. This book provides context and structure for learning the fundamental principles of organic chemistry, enabling the reader to proceed from simple to complex examples in a systematic and logical way. Utilizing clear and consistently colored figures, Principles of Organic Chemistry begins by exploring the step-by-step processes (or mechanisms) by which reactions occur to create molecular structures. It then describes some of the many ways these reactions make new compounds, examined by functional groups and corresponding common reaction mechanisms. Throughout, this book includes biochemical and pharmaceutical examples with varying degrees of difficulty, with worked answers and without, as well as advanced topics in later chapters for optional coverage. Incorporates valuable and engaging applications of the content to biological and industrial uses Includes a wealth of useful figures and problems to support reader comprehension and study Provides a high quality chapter on stereochemistry as well as advanced topics such as synthetic polymers and spectroscopy for class customization

The Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 6th Edition provides the most current and authoritative guidance on selecting, performing, and

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evaluating the results of new and established laboratory tests. This classic clinical chemistry reference offers encyclopedic coverage detailing everything you need to know, including: analytical criteria for the medical usefulness of laboratory tests, variables that affect tests and results, laboratory medicine, applications of statistical methods, and most importantly clinical utility and interpretation of laboratory tests. It is THE definitive reference in clinical chemistry and molecular diagnostics, now fully searchable and with quarterly content updates, podcasts, clinical cases, animations, and extended content online through Expert Consult. Analytical criteria focus on the medical usefulness of laboratory procedures. Reference ranges show new approaches for establishing these ranges — and provide the latest information on this topic. Lab management and costs gives students and chemists the practical information they need to assess costs, allowing them to do their job more efficiently and effectively. Statistical methods coverage provides you with information critical to the practice of clinical chemistry. Internationally recognized chapter authors are considered among the best in their field. Two-color design highlights important features, illustrations, and content to help you find information easier and faster. NEW! Internationally recognized chapter authors are considered among the best in their field. NEW! Expert Consult features fully searchable text, quarterly content updates, clinical case studies, animations, podcasts, atlases, biochemical calculations, multiple-choice questions, links to Medline, an image collection, and audio interviews. You will now enjoy an online version making utility of this book even greater. UPDATED! Expanded Molecular Diagnostics section with 12 chapters that focus on emerging issues and techniques in the rapidly evolving and important field of molecular diagnostics and genetics ensures this text is on the cutting edge and of the most value. NEW! Comprehensive list

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of Reference Intervals for children and adults with graphic displays developed using contemporary instrumentation. NEW! Standard and international units of measure make this text appropriate for any user — anywhere in the world. NEW! 22 new chapters that focus on applications of mass spectrometry, hematology, transfusion medicine, microbiology, biobanking, biomarker utility in the pharmaceutical industry and more! NEW! Expert senior editors, Nader Rifai, Carl Wittwer and Rita Horvath, bring fresh perspectives and help ensure the most current information is presented. UPDATED! Thoroughly revised and peer-reviewed chapters provide you with the most current information possible.

Principles and Applications of Quantum Chemistry offers clear and simple coverage based on the author's extensive teaching at advanced universities around the globe. Where needed, derivations are detailed in an easy-to-follow manner so that you will understand the physical and mathematical aspects of quantum chemistry and molecular electronic structure. Building on this foundation, this book then explores applications, using illustrative examples to demonstrate the use of quantum chemical tools in research problems. Each chapter also uses innovative problems and bibliographic references to guide you, and throughout the book chapters cover important advances in the field including: Density functional theory (DFT) and time-dependent DFT (TD-DFT), characterization of chemical reactions, prediction of molecular geometry, molecular electrostatic potential, and quantum theory of atoms in molecules. Simplified mathematical content and derivations for reader understanding Useful overview of advances in the field such as Density Functional Theory (DFT) and Time-Dependent DFT (TD-DFT) Accessible level for students and researchers interested in the use of quantum chemistry tools

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General Chemistry for Engineers explores the key areas of chemistry needed for engineers. This book develops material from the basics to more advanced areas in a systematic fashion. As the material is presented, case studies relevant to engineering are included that demonstrate the strong link between chemistry and the various areas of engineering. Serves as a unique chemistry reference source for professional engineers Provides the chemistry principles required by various engineering disciplines Begins with an 'atoms first' approach, building from the simple to the more complex chemical concepts Includes engineering case studies connecting chemical principles to solving actual engineering problems Links chemistry to contemporary issues related to the interface between chemistry and engineering practices

The statistical analysis of experimental and theoretical data lies at the heart of modern drug design. This practice-oriented handbook is a comprehensive account of modern chemometric methods in molecular design. It presents strategies for making more rational choices in the planning of syntheses, and describes techniques for analyzing biological and chemical data. Written by the world's experts, it provides in-depth information on * molecular concepts * experimental design in the planning of syntheses * multivariate analysis of chemical and biological data * statistical validation of QSAR results An additional benefit: the book contains a critical survey of commercially available software packages both for statistical analysis as well as for special applications. Industrial and academic researches in medicinal chemistry and organic chemistry will value this book as a useful source of information for their daily work. Also available: Advanced Computer-Assisted Techniques in Drug Discovery, edited by H. van de Waterbeemd

The lock-and-key principle formulated by Emil Fischer as

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early as the end of the 19th century has still not lost any of its significance for the life sciences. The basic aspects of ligand-protein interaction may be summarized under the term 'molecular recognition' and concern the specificity as well as stability of ligand binding. Molecular recognition is thus a central topic in the development of active substances, since stability and specificity determine whether a substance can be used as a drug. Nowadays, computer-aided prediction and intelligent molecular design make a large contribution to the constant search for, e. g., improved enzyme inhibitors, and new concepts such as that of pharmacophores are being developed. An up-to-date presentation of an eternally young topic, this book is an indispensable information source for chemists, biochemists and pharmacologists dealing with the binding of ligands to proteins.

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