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Residential Windows - John Carmody 1996

Covers design, technology and placement of residential windows, giving step-by-step procedures for assessing the energy performance of windows. The book is aimed at architects, builders, homeowners and those seeking energy-efficient housing, to help them choose from a range of window technologies.

[Apollo 14](#) - Lyndon B. Johnson Space Center 1971

Thermodynamics and Energy Conversion - Henning Struchtrup
2014-07-02

This textbook gives a thorough treatment of engineering thermodynamics with applications to classical and modern energy conversion devices. Some emphasis lies on the description of irreversible processes, such as friction, heat transfer and mixing and the evaluation of the related work losses. Better use of resources requires high efficiencies therefore the reduction of irreversible losses should be seen as one of the main goals of a thermal engineer. This book provides the necessary tools. Topics include: car and aircraft engines, including Otto, Diesel and Atkinson cycles, by-pass turbofan engines, ramjet and scramjet; steam and gas power plants, including advanced regenerative systems, solar tower and compressed air energy storage; mixing and

separation, including reverse osmosis, osmotic power plants and carbon sequestration; phase equilibrium and chemical equilibrium, distillation, chemical reactors, combustion processes and fuel cells; the microscopic definition of entropy. The book includes about 300 end-of-chapter problems for homework assignments and exams. The material presented suffices for two or three full-term courses on thermodynamics and energy conversion.

[Instrumentation in Earthquake Seismology](#) - Jens Havskov 2010-02-11

Here is unique and comprehensive coverage of modern seismic instrumentation, based on the authors' practical experience of a quarter-century in seismology and geophysics. Their goal is to provide not only detailed information on the basics of seismic instruments but also to survey equipment on the market, blending this with only the amount of theory needed to understand the basic principles. Seismologists and technicians working with seismological instruments will find here the answers to their practical problems. *Instrumentation in Earthquake Seismology* is written to be understandable to the broad range of professionals working with seismological instruments and seismic data, whether students, engineers or seismologists. Whether installing seismic stations, networks and arrays, working and calibrating stationary or portable instruments, dealing with response information, or teaching

about seismic instruments, professionals and academics now have a practical and authoritative sourcebook. Includes: SEISAN and SEISLOG software systems that are available from <http://extras.springer.com> and <http://www.geo.uib.no/seismo/software/software.html>

[Astrophysics Through Computation](#) - Brian Koberlein 2013-06-28

This new astrophysics text integrates analytical and computational methods to explore a broad range of topics in astrophysics.

[EOS Data Products Handbook](#) - Michael D. King 2003

Description of the data products that will be produced from the named scientific missions.

Gas Turbines for Electric Power Generation - S. Can Gülen

2019-02-14

Everything you wanted to know about industrial gas turbines for electric power generation in one source with hard-to-find, hands-on technical information.

Black Gold and Blackmail - Rosemary A. Kelanic 2020-05-15

Black Gold and Blackmail seeks to explain why great powers adopt such different strategies to protect their oil access from politically motivated disruptions. In extreme cases, such as Imperial Japan in 1941, great powers fought wars to grab oil territory in anticipation of a potential embargo by the Allies; in other instances, such as Germany in the early Nazi period, states chose relatively subdued measures like oil alliances or domestic policies to conserve oil. What accounts for this variation? Fundamentally, it is puzzling that great powers fear oil coercion at all because the global market makes oil sanctions very difficult to enforce. Rosemary A. Kelanic argues that two variables determine what strategy a great power will adopt: the petroleum deficit, which measures how much oil the state produces domestically compared to what it needs for its strategic objectives; and disruptibility, which estimates the susceptibility of a state's oil imports to military interdiction—that is, blockade. Because global markets undercut the effectiveness of oil sanctions, blockade is in practice the only true threat to great power oil access. That, combined with the devastating consequences of oil deprivation to a state's military power, explains why states fear oil coercion deeply despite the adaptive

functions of the market. Together, these two variables predict a state's coercive vulnerability, which determines how willing the state will be to accept the costs and risks attendant on various potential strategies. Only those great powers with large deficits and highly disruptible imports will adopt the most extreme strategy: direct control of oil through territorial conquest.

[Biotransport: Principles and Applications](#) - Robert J. Roselli 2011-06-10

Introduction to Biotransport Principles is a concise text covering the fundamentals of biotransport, including biological applications of: fluid, heat, and mass transport.

Fluid Mechanics and Fluid Power - T. Prabu 2021-08-03

This book comprises select proceedings of the 46th National Conference on Fluid Mechanics and Fluid Power (FMFP 2019). The contents of this book focus on aerodynamics and flow control, computational fluid dynamics, fluid structure interaction, noise and aero-acoustics, unsteady and pulsating flows, vortex dynamics, nuclear thermal hydraulics, heat transfer in nanofluids, etc. This book serves as a useful reference beneficial to researchers, academicians and students interested in the broad field of mechanics. ^

Technical Guidance for Petroleum Exploration and Production

Plans - Tarek Al-Arbi Omar Ganat 2020-03-31

This book presents detailed explanations of how to formulate field development plans for oil and gas discovery. The data and case studies provided here, obtained from the authors' field experience in the oil and gas industry around the globe, offer a real-world context for the theories and procedures discussed. The book covers all aspects of field development plan processes, from reserve estimations to economic analyses. It shows readers in both the oil and gas industry and in academia how to prepare field development plans in a straightforward way, and with substantially less uncertainty.

[High Performance Polymers - Polyimides Based](#) - Marc Abadie

2012-12-19

The feature of polyimides and other heterocyclic polymers are now well-established and used for long term temperature durability in the range of

250 - 350°C. This book will review synthesis, mechanisms, ultimate properties, physico-chemical properties, processing and applications of such high performance materials needed in advanced technologies. It presents interdisciplinary papers on the state of knowledge of each topic under consideration through a combination of overviews and original unpublished research. The volume contains eleven chapters divided into three sections: Chemistry; Chemical and Physical Properties; and Applications.

Solid-State Lasers - Walter Koechner 2006-05-29

Koechner's well-known 'bible' on solid-state laser engineering is now available in an accessible format at the graduate level. Numerous exercises with hints for solution, new text and updated material where needed make this text very accessible.

Quantum Many-Body Physics of Ultracold Molecules in Optical Lattices - Michael L. Wall 2015-04-20

This thesis investigates ultracold molecules as a resource for novel quantum many-body physics, in particular by utilizing their rich internal structure and strong, long-range dipole-dipole interactions. In addition, numerical methods based on matrix product states are analyzed in detail, and general algorithms for investigating the static and dynamic properties of essentially arbitrary one-dimensional quantum many-body systems are put forth. Finally, this thesis covers open-source implementations of matrix product state algorithms, as well as educational material designed to aid in the use of understanding such methods.

Bioinformatics Computing - Bryan P. Bergeron 2003

Comprehensive and concise, this handbook has chapters on computing visualization, large database designs, advanced pattern matching and other key bioinformatics techniques. It is a practical guide to computing in the growing field of Bioinformatics--the study of how information is represented and transmitted in biological systems, starting at the molecular level.

Biomolecular Feedback Systems - Domitilla Del Vecchio 2014-10-26

This book provides an accessible introduction to the principles and tools

for modeling, analyzing, and synthesizing biomolecular systems. It begins with modeling tools such as reaction-rate equations, reduced-order models, stochastic models, and specific models of important core processes. It then describes in detail the control and dynamical systems tools used to analyze these models. These include tools for analyzing stability of equilibria, limit cycles, robustness, and parameter uncertainty. Modeling and analysis techniques are then applied to design examples from both natural systems and synthetic biomolecular circuits. In addition, this comprehensive book addresses the problem of modular composition of synthetic circuits, the tools for analyzing the extent of modularity, and the design techniques for ensuring modular behavior. It also looks at design trade-offs, focusing on perturbations due to noise and competition for shared cellular resources. Featuring numerous exercises and illustrations throughout, *Biomolecular Feedback Systems* is the ideal textbook for advanced undergraduates and graduate students. For researchers, it can also serve as a self-contained reference on the feedback control techniques that can be applied to biomolecular systems. Provides a user-friendly introduction to essential concepts, tools, and applications Covers the most commonly used modeling methods Addresses the modular design problem for biomolecular systems Uses design examples from both natural systems and synthetic circuits Solutions manual (available only to professors at press.princeton.edu) An online illustration package is available to professors at press.princeton.edu

Polymer Characterisation - B.J. Hunt 2012-12-06

Polymers continue to play an ever increasing role in the modern world. In fact it is quite inconceivable to most people that we could ever have existed of the increased volume and variety of materials without them. As a result currently available, and the diversity of their application, characterisation has become an essential requirement of industrial and academic laboratories involved with polymeric materials. On the one hand requirements may come from polymer specialists involved in the design and synthesis of new materials who require a detailed understanding of the relationship between the precise molecular

architecture and the properties of the polymer in order to improve its capabilities and range of applications. On the other hand, many analysts who are not polymer specialists are faced with the problems of analysing and testing a wide range of polymeric materials for quality control or material specification purposes. We hope this book will be a useful reference for all scientists and techno or industrial laboratories, logists involved with polymers, whether in academic and irrespective of their scientific discipline. We have attempted to include in one volume all of the most important techniques. Obviously it is not possible to do this in any great depth but we have encouraged the use of specific examples to illustrate the range of possibilities. In addition numerous references are given to more detailed texts on specific subjects, to direct the reader where appropriate. The book is divided into II chapters.

Solid-State Laser Engineering - Walter Koechner 2013-11-11

This book has once again been updated to keep pace with recent developments and to maintain Koechner's position as "the bible" of the field. Written from an industrial perspective, it provides a detailed discussion of, and data for, solid-state lasers, their characteristics, design and construction.

World Energy Outlook 2008 - International Energy Agency 2008

"World Energy Outlook 2008 draws on the experience of another turbulent year in energy markets to provide new energy projections to 2030, region by region and fuel by fuel, incorporating the latest data and policies. "

Intelligent Information and Database Systems - Manh Thanh Le 2010-03-05

The 2010 Asian Conference on Intelligent Information and Database Systems (ACIIDS) was the second event of the series of international scientific conferences for research and applications in the field of intelligent information and database systems. The aim of ACIIDS 2010 was to provide an international forum for scientific research in the technologies and applications of intelligent information, database systems and their applications. ACIIDS 2010 was co-organized by Hue University (Vietnam) and Wroclaw University of Technology (Poland) and

took place in Hue city (Vietnam) during March 24–26, 2010. We received almost 330 papers from 35 countries. Each paper was peer reviewed by at least two members of the International Program Committee and International Reviewer Board. Only 96 best papers were selected for oral presentation and publi- tion in the two volumes of the ACIIDS 2010 proceedings. The papers included in the proceedings cover the following topics: artificial social systems, case studies and reports on deployments, collaborative learning, collaborative systems and applications, data warehousing and data mining, database management technologies, database models and query languages, database security and integrity,- business, e-commerce, e-finance, e-learning systems, information modeling and - quirements engineering, information retrieval systems, intelligent agents and mul- agent systems, intelligent information systems, intelligent internet systems, intelligent optimization techniques, object-relational DBMS, ontologies and information sharing, semi-structured and XML database systems, unified modeling language and unified processes, Web services and Semantic Web, computer networks and communication systems.

Natural Product Extraction - Mauricio A Rostagno 2015-10-09

Natural products are sought after by the food, pharmaceutical and cosmetics industries, and research continues into their potential for new applications. Extraction of natural products in an economic and environmentally-friendly way is of high importance to all industries involved. This book presents a holistic and in-depth view of the techniques available for extracting natural products, with modern and more environmentally-benign methods, such as ultrasound and supercritical fluids discussed alongside conventional methods. Examples and case studies are presented, along with the decision-making process needed to determine the most appropriate method. Where appropriate, scale-up and process integration is discussed. Relevant to researchers in academia and industry, and students aiming for either career path, *Natural Product Extraction* presents a handy digest of the current trends and latest developments in the field with concepts of Green Chemistry in mind.

The World of UCL - Negley Harte 2018-05-21

From its foundation in 1826, UCL embraced a progressive and pioneering spirit. It was the first university in England to admit students regardless of religion and made higher education affordable and accessible to a much broader section of society. It was also effectively the first university to welcome women on equal terms with men. From the outset UCL showed a commitment to innovative ideas and new methods of teaching and research. This book charts the history of UCL from 1826 through to the present day, highlighting its many contributions to society in Britain and around the world. It covers the expansion of the university through the growth in student numbers and institutional mergers. It documents shifts in governance throughout the years and the changing social and economic context in which UCL operated, including challenging periods of reconstruction after two World Wars. Today UCL is one of the powerhouses of research and teaching, and a truly global university. It is currently seventh in the QS World University Rankings. This completely revised and updated edition features a new chapter based on interviews with key individuals at UCL. It comes at a time of ambitious development for UCL with the establishment of an entirely new campus in East London, UCL East, and Provost Michael Arthur's 'UCL 2034' strategy which aims to secure the university's long-term future and commits UCL to delivering global impact.

World Energy Outlook 2017 - Organisation for Economic Co-Operation and Development 2018-01-19

The global energy scene is in a state of flux. Large-scale shifts include: the rapid deployment and steep declines in the costs of major renewable energy technologies; the growing importance of electricity in energy use across the globe; profound changes in China's economy and energy policy, moving consumption away from coal; and the continued surge in shale gas and tight oil production in the United States. These changes provide the backdrop for the World Energy Outlook-2017, which includes a full update of energy demand and supply projections to 2040 based on different scenarios. The projections are accompanied by detailed

analyses of their impact on energy industries and investment, as well as implications for energy security and the environment. The report this year includes a focus on China, which examines how China's choices could reshape the global outlook for all fuels and technologies. A second focus, on natural gas, explores how the rise of shale gas and LNG are changing the global gas market as well as the opportunities and risks for gas in the transition to a cleaner energy system. Finally, the WEO-2017 introduces a major new scenario -the Sustainable Development Scenario -that outlines an integrated approach to achieving internationally agreed objectives on climate change, air quality and universal access to modern energy.

Spin Squeezing and Non-linear Atom Interferometry with Bose-Einstein Condensates - Christian Groß 2012-01-12

Interferometry, the most precise measurement technique known today, exploits the wave-like nature of the atoms or photons in the interferometer. As expected from the laws of quantum mechanics, the granular, particle-like features of the individually independent atoms or photons are responsible for the precision limit, the shot noise limit. However this "classical" bound is not fundamental and it is the aim of quantum metrology to overcome it by employing entanglement among the particles. This work reports on the realization of spin-squeezed states suitable for atom interferometry. Spin squeezing was generated on the basis of motional and spin degrees of freedom, whereby the latter allowed the implementation of a full interferometer with quantum-enhanced precision.

Shock Wave-Boundary-Layer Interactions - Holger Babinsky 2011-09-12

Shock wave-boundary-layer interaction (SBLI) is a fundamental phenomenon in gas dynamics that is observed in many practical situations, ranging from transonic aircraft wings to hypersonic vehicles and engines. SBLIs have the potential to pose serious problems in a flowfield; hence they often prove to be a critical - or even design limiting - issue for many aerospace applications. This is the first book devoted solely to a comprehensive, state-of-the-art explanation of this

phenomenon. It includes a description of the basic fluid mechanics of SBLIs plus contributions from leading international experts who share their insight into their physics and the impact they have in practical flow situations. This book is for practitioners and graduate students in aerodynamics who wish to familiarize themselves with all aspects of SBLI flows. It is a valuable resource for specialists because it compiles experimental, computational and theoretical knowledge in one place.

Idiomatic Creativity - Andreas Langlotz 2006-04-15

This book revisits the theoretical and psycholinguistic controversies centred around the intriguing nature of idioms and proposes a more systematic cognitive-linguistic model of their grammatical status and use. Whenever speakers vary idioms in actual discourse, they open a linguistic window into idiomatic creativity – the complex cognitive processing and representation of these heterogeneous linguistic constructions. Idiomatic creativity therefore raises two challenging questions: What are the cognitive mechanisms that underlie and shape idiom-representation? How do these mechanisms define the scope and limits of systematic idiom-variation in actual discourse? The book approaches these problems by means of a comprehensive cognitive-linguistic architecture of meaning and language and analyses them on the basis of corpus-data from the British National Corpus (BNC). Therefore, *Idiomatic Creativity* should be of great interest to cognitive linguists, phraseologists, corpus linguists, advanced students of linguistics, and all readers who are interested in the fascinating interplay of language and cognitive processing. This book has a companion website: www.idiomatic-creativity.ch.

Space Is the Machine - Bill Hillier 1998

Since *The Social Logic of Space* was published in 1984 Bill Hillier and his colleagues at University College London have been conducting research on how space features in the form and functioning of buildings and cities. A key outcome is the concept of 'spatial configuration' - meaning relations which take account of other relations in a complex. New techniques have been developed and applied to a wide range of architectural and urban problems. The aim of this book is to assemble

some of this work and show how it leads the way to a new type of theory of architecture: an 'analytic' theory in which understanding and design advance together. The success of configurational ideas in bringing to light the spatial logic of buildings and cities suggests that it might be possible to extend these ideas to other areas of the human sciences where problems of configuration and pattern are critical.

Theory of Solutions - John G. Kirkwood 1968

System Dynamics for Engineering Students - Nicolae Lobontiu
2017-08-29

Engineering system dynamics focuses on deriving mathematical models based on simplified physical representations of actual systems, such as mechanical, electrical, fluid, or thermal, and on solving these models for analysis or design purposes. *System Dynamics for Engineering Students: Concepts and Applications* features a classical approach to system dynamics and is designed to be utilized as a one-semester system dynamics text for upper-level undergraduate students with emphasis on mechanical, aerospace, or electrical engineering. It is the first system dynamics textbook to include examples from compliant (flexible) mechanisms and micro/nano electromechanical systems (MEMS/NEMS). This new second edition has been updated to provide more balance between analytical and computational approaches; introduces additional in-text coverage of Controls; and includes numerous fully solved examples and exercises. Features a more balanced treatment of mechanical, electrical, fluid, and thermal systems than other texts. Introduces examples from compliant (flexible) mechanisms and MEMS/NEMS. Includes a chapter on coupled-field systems. Incorporates MATLAB® and Simulink® computational software tools throughout the book. Supplements the text with extensive instructor support available online: instructor's solution manual, image bank, and PowerPoint lecture slides. NEW FOR THE SECOND EDITION Provides more balance between analytical and computational approaches, including integration of Lagrangian equations as another modelling technique of dynamic systems. Includes additional in-text coverage of Controls, to meet the

needs of schools that cover both controls and system dynamics in the course Features a broader range of applications, including additional applications in pneumatic and hydraulic systems, and new applications in aerospace, automotive, and bioengineering systems, making the book even more appealing to mechanical engineers Updates include new and revised examples and end-of-chapter exercises with a wider variety of engineering applications

Critical Care of Children with Heart Disease - Ricardo Munoz
2010-06-21

Critical Care of Children with Heart Disease will summarize the comprehensive medical and surgical management of the acutely-ill patient with congenital and acquired cardiac disease. The aim of the book is to teach bedside physicians, nurses and other caregivers, basic and practical concepts of anatomy, pathophysiology, surgical techniques and peri-operative management of critically ill children and adults with congenital heart disease, allowing these professionals to anticipate, prevent or else treat such pathologies. The book will cover specific cardiac lesions, review their anatomy, pathophysiology, current preoperative, intraoperative and postoperative assessment and management; medical and surgical complications will be briefly described with each lesion further discussed in specific chapters. In addition, the book will have dedicated chapters to management of cardiac patients on extracorporeal membrane oxygenation, hemofiltration, hemo or peritoneal dialysis and plasma exchange. Practical guidelines for cardiovascular nursing care will be also included.

[A Visual Dictionary of Architecture](#) - Francis D. K. Ching 2011-09-06
The classic, bestselling reference on architecture now revised and expanded! An essential one-volume reference of architectural topics using Francis D.K. Ching's signature presentation. It is the only dictionary that provides concise, accurate definitions illustrated with finely detailed, hand-rendered drawings. From Arch to Wood, every concept, technology, material and detail important to architects and designers are presented in Ching's unique style. Combining text and drawing, each term is given a minimum double-page spread on large

format trim size, so that the term can be comprehensively explored, graphically showing relations between concepts and sub-terms A comprehensive index permits the reader to locate any important word in the text. This long-awaited revision brings the latest concepts and technology of 21st century architecture, design and construction to this classic reference work It is sure to be by the side of and used by any serious architect or designer, students of architecture, interior designers, and those in construction.

Manual of joint causes of death - 1925

The Science and Engineering of Materials, Enhanced, SI Edition - Donald R. Askeland 2021-01-01

Develop a thorough understanding of the relationships between structure, processing and the properties of materials with Askeland/Wright's THE SCIENCE AND ENGINEERING OF MATERIALS, ENHANCED, SI, 7th Edition. This comprehensive edition serves as a useful professional reference for current or future study in manufacturing, materials, design or materials selection. This science-based approach to materials engineering highlights how the structure of materials at various length scales gives rise to materials properties. You examine how the connection between structure and properties is key to innovating with materials, both in the synthesis of new materials as well as in new applications with existing materials. You also learn how time, loading and environment all impact materials -- a key concept that is often overlooked when using charts and databases to select materials. Trust this enhanced edition for insights into success in materials engineering today. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Uncertainty Quantification for Hyperbolic and Kinetic Equations - Shi Jin
2018-03-20

This book explores recent advances in uncertainty quantification for hyperbolic, kinetic, and related problems. The contributions address a range of different aspects, including: polynomial chaos expansions,

perturbation methods, multi-level Monte Carlo methods, importance sampling, and moment methods. The interest in these topics is rapidly growing, as their applications have now expanded to many areas in engineering, physics, biology and the social sciences. Accordingly, the book provides the scientific community with a topical overview of the latest research efforts.

Chemical and Bioprocess Engineering - Ricardo Simpson 2013-12-04

The goal of this textbook is to provide first-year engineering students with a firm grounding in the fundamentals of chemical and bioprocess engineering. However, instead of being a general overview of the two topics, Fundamentals of Chemical and Bioprocess Engineering will identify and focus on specific areas in which attaining a solid competency is desired. This strategy is the direct result of studies showing that broad-based courses at the freshman level often leave students grappling with a lot of material, which results in a low rate of retention.

Specifically, strong emphasis will be placed on the topic of material balances, with the intent that students exiting a course based upon this textbook will be significantly higher on Bloom's Taxonomy (knowledge, comprehension, application, analysis and synthesis, evaluation, creation) relating to material balances. In addition, this book also provides students with a highly developed ability to analyze problems from the material balances perspective, which leaves them with important skills for the future. The textbook consists of numerous exercises and their solutions. Problems are classified by their level of difficulty. Each chapter has references and selected web pages to vividly illustrate each example. In addition, to engage students and increase their comprehension and rate of retention, many examples involve real-world situations.

Campbell's Atlas of Oil and Gas Depletion - Colin J Campbell
2013-01-04

Campbell's Atlas of Oil and Gas Depletion, Second Edition, is the product of a half-century of critical analysis and updating of data on the status of oil and gas depletion by country, region and the world as a whole. Separate analyses of conventional and non-conventional oil and gas, which are depleting at different rates and costs, show when these critical

energy sources peak and decline. The Atlas also summarizes the history and political circumstances of each country to assess the impact on oil and gas production and reserves. It contrasts the First Half of the Oil Age, which saw the rapid expansion of the world economy, allowing the population to grow six-fold, with the Second Half, which will witness a general contraction as these easy, high-density energy supplies dwindle. The transition threatens to be a time of great economic, financial and political tensions. The Atlas, which has been compiled and updated by prominent geologist, former oil company executive, and oil analyst Colin Campbell since the 1960s, addresses the need for a reliable and comprehensive database on a subject essential to governments, industry, academia, and the population as a whole as we attempt to adapt to these critically changing circumstances.

Decisions with Multiple Objectives - Ralph L. Keeney 1993-07

This book describes how a confused decision maker, who wishes to make a reasonable and responsible choice among alternatives, can systematically probe their thoughts and feelings in order to make the critically important trade-offs between incommensurable objectives.

A Problem Book In CHEMISTRY for IIT JEE - Ranjeet Shahi 2018-04-20

Cracking JEE Main & Advanced requires skills to solve a variety of thought-provoking problems with requisite synthesis of many concepts and may additionally require tricky mathematical manipulations. A massive collection of the most challenging problems, the Selected Problems Series comprises of 3 books, one each for Physics, Chemistry and Mathematics to suit the practice needs of students appearing for upcoming JEE Main and Advanced exam. Ranjeet Shahi's, 1500 Selected Problems Asked in Chemistry aims to sharpen your Problem-Solving Skills according to the exam syllabi, across 30 logically sequenced chapters. Working through these chapters, you will be able to make precise inferences while avoiding the pitfalls in applying various laws of Chemistry. The Step-by-Step solutions to the problems in the book train you in both- the general and specific problem-solving strategies essential for all those appearing in JEE Main & Advanced and all other Engineering Entrance Examinations or anyone who is interested to

Problem Solving in Chemistry.

Textbook of Microbiology & Immunology - Parija 2009

This book provides an up-to-date information on microbial diseases which is an emerging health problem world over. This book presents a comprehensive coverage of basic and clinical microbiology, including immunology, bacteriology, virology, and mycology, in a clear and succinct manner. The text includes morphological features and identification of each organism along with the pathogenesis of diseases, clinical manifestations, diagnostic laboratory tests, treatment, and prevention and control of resulting infections along with most recent advances in the field. About the Author : - Subhash Chandra Parija, MD, PhD, DSc, FRCPath, is Director-Professor and Head, Department of Microbiology, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Pondicherry, India. Professor Parija, author of more than 200 research publications and 5 textbooks, is the recipient of more than 20 National and International Awards including the most

prestigious Dr BC Roy National Award of the Medical Council of India for his immense contribution in the field of Medical Microbiology.

Potassium Argon Dating - O. A. Schaeffer 2012-12-06

Perhaps no dating method has the wide range of applicability as does the potassium argon dating method from either consideration of the ranges of ages which can be dated or the availability of suitable material to date. Minerals as young as tens of thousands of years to minerals billions of years old have been successfully dated. Many minerals retain for times of the order of billions of years the daughter, Ar⁴⁰, and many minerals contain as a component K⁴⁰ the parent element, potassium being a common element in the earth's crust. As a result, most rock contains at least one mineral which can be successfully dated by the potassium argon method. Even though this method has been applied for over fifteen years, there is as yet no work which summarizes the experimental techniques and the results available. The sixtieth birthday of W. GENTNER, one of the pioneers in this field of research, is a suitable time to present such a summary.