

Sk Goshal Introduction To Chemical Engineering

Text and Cases

Introduction to Chemical Engineering: Tools for Today and Tomorrow, 5th Edition

Journal of the Chemical Society

Theory, Applications and Software Support

Chemical communications

Journal of the Optical Society of America

Leishmaniases as Re-emerging Diseases

Introduction to Earthquake Engineering

Proceedings of the First International IOCD-Symposium : Victoria Falls, Zimbabwe, February 25-28, 1996

For Chemical Engineers and Students

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Stoichiometry

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Indian Journal of Chemical Technology

Introduction to Chemical Engineering

Introduction to Chemical Engineering Fluid Mechanics

Optical physics. B

Theoretical Chemical Engineering Abstracts

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BRAYDON TY

Text and Cases JP Medical Ltd

A resource for industry professionals and consultants, this book on corporate strategy lays down the theories and models for revitalizing companies in the face of global recession. It discusses cutting-edge concepts, constructs, paradigms, theories, models, and cases of corporate strategic leadership for bringing about transformation and innovation in companies. It demonstrates that great companies are those that make the leap from 'good' results to 'great' results and sustain these for at least 15 years; it explores, reviews and analyzes great transformation strategies in this context. Each chapter in the book is appended with transformation exercises that further explicate the concepts.

Introduction to Chemical Engineering: Tools for Today and Tomorrow, 5th Edition BoD – Books on Demand

Designed for introductory undergraduate courses in fluid mechanics for chemical engineers, this stand-alone textbook illustrates the fundamental concepts and analytical strategies in a rigorous

and systematic, yet mathematically accessible manner. Using both traditional and novel applications, it examines key topics such as viscous stresses, surface tension, and the microscopic analysis of incompressible flows which enables students to understand what is important physically in a novel situation and how to use such insights in modeling. The many modern worked examples and end-of-chapter problems provide calculation practice, build confidence in analyzing physical systems, and help develop engineering judgment. The book also features a self-contained summary of the mathematics needed to understand vectors and tensors, and explains solution methods for partial differential equations. Including a full solutions manual for instructors available at www.cambridge.org/deen, this balanced textbook is the ideal resource for a one-semester course.

Journal of the Chemical Society John Wiley & Sons Incorporated

This book is intended primarily as a textbook for students studying structural engineering. It covers three main areas in the analysis and design of structural systems subjected to seismic loading: basic seismology, basic structural dynamics, and code-based calculations used to determine seismic loads from an equivalent static method and a dynamics-based method. It provides students with the skills to determine seismic effects on structural systems, and is unique in that it

combines the fundamentals of structural dynamics with the latest code specifications. Each chapter contains electronic resources: image galleries, PowerPoint presentations, a solutions manual, etc.

Theory, Applications and Software Support S. Chand Publishing

“Strategic International Management” takes a global perspective and covers the major aspects of international business strategies, the coordination of international companies and the particularities of international value chain activities and management functions. The book provides a thorough understanding of how Production & Sourcing, Research & Development, Marketing, Human Resource Management and Controlling have to be designed in an international company and what models are available to understand those activities in an international context. The book offers 20 lessons that provide a comprehensive overview of all key issues. Each lesson is accompanied by a case study from an international company to facilitate the understanding of all important factors involved in strategic international management.

Chemical communications Springer Nature

This book provides expert coverage of the physical properties of new non-crystalline solids—tellurite glass smart materials—and the latest applications of these materials, offering

insights into innovative applications for radiation shielding, energy harvesting, laser devices, and temperature sensing, among others. In particular, there is a focus on optics, energy conversion technology and laser devices, structural and luminescence properties for laser applications, optothermal and optical properties in the presence of gold nanoparticles, and lanthanide doped zinc oxyfluoro-tellurite glass as a new smart material. Additional chapters address the properties and uses of tellurite glasses in optical sensing, the significance of Near Infrared (NIR) emissions, solar cells, solar energy harvesting, luminescent displays, and the development of bioactive-based tellurite-lanthanide (Te-Ln) doped hydroxyapatite composites for biomedical applications. As the world's reliance on glass increases, this book serves as a link between the latest findings on tellurite glasses and real-world technological advancement. Academic researchers and industry professionals alike will find this book a useful resource in keeping abreast of recent developments in the field.

Journal of the Optical Society of America Springer Science & Business Media

Natural Products have always played a pivotal role as sources for drug lead compounds. This book is aimed at providing inside purview of the scope of natural products (including herbal and marine) in the possible treatment of neurological disorders. The book explains pre-clinical neuropharmacological investigations done on herbs including *Bacopa monnieri*, *Hypericum perforatum*, *Passiflora incarnata*, *Scutellaria baicalensis* and *Piper methysticum*. It provides a comprehensive overview of the role of phytoconstituents like huperzine, curcumin, Salvinorin A, bioflavonoids, sulfuraphane, tanshinone IIA, tetramethylpyrazine, tetrahydrocannabinol, and cannabidiol in the treatment of neurological disorders. The book provides a modern concept of herbal medications, neuropharmacology of marine bioactive products and Ayurvedic formulations, herbal drugs with abuse potential and neurotoxic mycotoxins.

Leishmaniases as Re-emerging Diseases Gulf Professional Publishing

Food engineering is a required class in food science programs, as outlined by the Institute for Food Technologists (IFT). The concepts and applications are also required for professionals in food processing and manufacturing to attain the highest standards of food safety and quality. The third edition of this successful textbook succinctly presents the engineering concepts and unit operations used in food processing, in a unique blend of principles with applications. The authors use their many years of teaching to present food engineering concepts in a logical progression that covers the standard course curriculum. Each chapter describes the application of a particular principle followed by the quantitative relationships that define the related processes, solved examples, and problems to test understanding. The subjects the authors have selected to illustrate engineering principles demonstrate the relationship of engineering to the chemistry, microbiology, nutrition and processing of foods. Topics incorporate both traditional and contemporary food processing operations.

Introduction to Earthquake Engineering SAGE Publishing India

Introduction to Chemical EngineeringTata McGraw-Hill EducationJournal of the Institution of Engineers (India).Chemical Engineering DivisionIndian Journal of Chemical TechnologyAustralian Chemical EngineeringIntroduction to Nonlinear Optical Effects in Molecules and PolymersWiley-Interscience

Proceedings of the First International IOCD-Symposium : Victoria Falls, Zimbabwe, February 25-28, 1996 Universities Press

Molecular Dynamics in Restricted Geometries Edited by Joseph Klafter and J. M. Drake This investigation of the chemistry and physics of complex systems focuses on the role of spatial restrictions on molecular movement. A practical source-book for researchers in chemical physics, chemical engineering, and condensed matter physics, and for graduate students in these fields, it covers a broad range of topics and critically evaluates methods as they are employed. Among the many topics it covers are: relaxation and diffusion in restricted geometries, excitation energy transfer and photoinduced electron transfer phenomena in some confined systems, electron

excitation transport in micelles, polymers and multilayers, and electron excitation transport on polymer chains. 1989 (0 471-60176-4) 437 pp.

For Chemical Engineers and Students CRC Press

This book highlights different natural products that are derived from the plants and microbes that have shown potential as the lead compounds against infectious diseases and cancer. Natural products represent an untapped source of strikingly diverse chemotypes with novel mechanisms of action and the potential to serve as anticancer and anti-infective agents. The book discusses a range of biotechnologically valuable bioactive compounds and secondary metabolites that have been derived from plant and microorganisms from various ecological niches. It also reviews the latest developments in the field of genomics, bioinformatics and industrial fermentation for harnessing the microbial products for commercial applications. In turn, the book's closing section reviews important biotechnological applications of various natural products. Combining the expertise of specialists in this field, the book's goal is to promote the further investigation of natural sources for the development of standardized, safe and effective therapies.

Compound Semiconductor Photonics Springer Science & Business Media

This text examines the thermal and catalytic processes involved in the refining of petroleum including visbreaking, coking, pyrolysis, catalytic cracking, oligomerization, alkylation, hydrofining, hydroisomerization, hydrocracking, and catalytic reforming. It analyzes the thermodynamics, reaction mechanisms, and kinetics of each process, as well as

Stoichiometry Elsevier Health Sciences

This full-color text and practical clinical reference provides comprehensive information on herbal remedies for both large and small animal species. Key coverage includes clinical uses of medicinal plants, specific information on how to formulate herbal remedies, a systems-based review of plant-based medicine, and in-depth information on the different animal species--dog, cat, avian and exotic, equine, food animal, and poultry.

Tools for Today and Tomorrow Wiley Global Education

Egyptian hieroglyphs, Chinese scrolls, and Ayurvedic literature record physicians administering aromatic oils to their patients. Today society looks to science to document health choices and the oils do not disappoint. The growing body of evidence of their efficacy for more than just scenting a room underscores the need for production standards, quality control parameters for raw materials and finished products, and well-defined Good Manufacturing Practices. Edited by two renowned experts, the Handbook of Essential Oils covers all aspects of essential oils from chemistry, pharmacology, and biological activity, to production and trade, to uses and regulation. Bringing together significant research and market profiles, this comprehensive handbook provides a much-needed compilation of information related to the development, use, and marketing of essential oils, including their chemistry and biochemistry. A select group of authoritative experts explores the historical, biological, regulatory, and microbial aspects. This reference also covers sources, production, analysis, storage, and transport of oils as well as aromatherapy, pharmacology, toxicology, and metabolism. It includes discussions of biological activity testing, results of antimicrobial and antioxidant tests, and penetration-enhancing activities useful in drug delivery. New information on essential oils may lead to an increased understanding of their multidimensional uses and better, more ecologically friendly production methods. Reflecting the immense developments in scientific knowledge available on essential oils, this book brings multidisciplinary coverage of essential oils into one all-inclusive resource.

Indian Journal of Chemical Technology Springer Science & Business Media

Whether you are an executive or sales manager in a networking company, a data communications engineer, or a telecommunications professional, you must have a thorough working knowledge of the ever growing and interrelated array of telecom and data communications technologies. From protocols and operation of the Internet (IP, TCP, HTTP, ...) and its access systems such as ADSL,

and GSM... to the basics of transmission and switching, this newly revised resource delivers an up-to-date introduction to a broad range of networking technologies, clearly explaining the networking essentials you need to know to be a successful networking professional. Moreover, the book explores the future developments in optical, wireless and digital broadcast communications.

Artech House

In This edition of the book,only minor changes have been made in some chapters.In the chapter on Nuclear Models(Ch. IX),the discussions on the individual particle model has been shortened to some extent and the relevant reference have been added where the readers can get the details.

Introduction to Chemical Engineering CRC Press

Covers basic principles and recent advances in diagnosis and management of pulmonary conditions, including pregnancy, aviation travel and climate change.

Introduction to Chemical Engineering Fluid Mechanics CRC Press

The author presents current work in bond graph methodology by providing a compilation of contributions from experts across the world that covers theoretical topics, applications in various areas as well as software for bond graph modeling. It addresses readers in academia and in industry concerned with the analysis of multidisciplinary engineering systems or control system design who are interested to see how latest developments in bond graph methodology with regard to theory and applications can serve their needs in their engineering fields. This presentation of advanced work in bond graph modeling presents the leading edge of research in this field. It is hoped that it stimulates new ideas with regard to further progress in theory and in applications.

Optical physics. B Tata McGraw-Hill Education

Until relatively recently, much of the information on India's research into their medicinal plants has remained within India, mainly published within Indian journals. However, today the field of Ayurveda is expanding, with the integration of herbs and minerals discovered in other countries and the strengthening of academic knowledge networks worldw

Theoretical Chemical Engineering Abstracts CRC Press

Immunotherapy is an innovative, leading and valuable approach to the treatment and control of many diseases. It can solve many problems of public health worldwide. Many people in numerous countries are suffering from a wide range of diseases (communicable and non-communicable) that can be cured or controlled by the immune system and immunotherapy. Some immunological diseases (i.e. allergic reactions and asthma, autoimmune disease, immunodeficiency disease, hypersensitivity reactions, etc.) have immune response pathophysiology and by controlling immune system mechanisms, these diseases can be controlled and cured. Immunoregulatory Aspects of Immunotherapy focuses on immune system mechanism, diagnosis, treatment and other related problems. The chapters have applicable and scientific data in immunotherapeutic approaches based on medical sciences, and would be of benefit to all researchers in immunology, allergy and asthma fields. The book discusses the prevention, diagnosis, treatment and follow-up of patients who have dangerous diseases. We hope this book will be a new approach to the immunotherapy of diseases and will improve public health and wellbeing.

Introduction to Nonlinear Optical Effects in Molecules and Polymers John Wiley & Sons

Leishmania parasites plague the mammalian host causing high morbidity and mortality. The parasites persist in the hostile milieu, crippling its defensive arsenal. In the face of mounting resistance to an antiquated drug arsenal, new approaches are urgently desired to keep the infection at bay. Furthermore, to strengthen the leishmaniasis elimination drive, particular emphasis has to be laid on identification of new targets and vaccination strategies. This book gives a brief glimpse of the epidemiology of leishmaniasis, immune evasion, vaccination, and therapeutic modalities that may work by untangling the immunological cross-wires of pathogenic cross-talk. The Conventional treatment and its drawbacks, the prospects of phytotherapy and nanomedicines, are also discussed. The identification of drug targets with the aim of designing inhibitors is also exemplified.

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