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Work and Its Secret
The Shambhala Encyclopedia of Yoga
Inelastic Behavior of Composite Materials
Oil Field Chemicals
Non-Destructive Evaluation of Corrosion and Corrosion-assisted Cracking
Production Chemicals for the Oil and Gas Industry, Second Edition
EOS
Clinical Toxicology Testing
Metallurgy and Corrosion Control in Oil and Gas Production
Corrosion of Research Reactor Aluminium Clad Spent Fuel in Water
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Casting defects handbook : Aluminium and Aluminium alloys
Statute of the International Atomic Energy Agency
The Psychology of Yoga
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From the Earth's Core to Outer Space
The Earth Observer
Guidance for Preparing Standard Operating Procedures (SOPs).
The Encyclopedia of Yoga and Tantra
Microbially Influenced Corrosion of Materials
Handbook of Structural Life Assessment
Mineral Scales and Deposits
Machinery Oil Analysis & Condition Monitoring : A Practical Guide to Sampling and Analyzing Oil to Improve Equipment Reliability
Worlds Together, Worlds Apart: A History of the World: Beginnings Through the Fifteenth Century (Fourth Edition) (Vol. 1)
EOS Reference Handbook
Bank Management and Control

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YOSEF RIVAS

Transient Techniques in Electrochemistry Springer
Mineral Scales and Deposits: Scientific and Technological Approaches presents, in an integrated way, the problem of scale deposits (precipitation/crystallization of sparingly-soluble salts) in aqueous systems, both industrial and biological. It covers several fundamental aspects, also offering an applications' perspective, with the ultimate goal of helping the reader better understand the underlying mechanisms of scale formation, while also assisting the user/reader to solve scale-related challenges. It is ideal for scientists/experts working in academia, offering a number of crystal growth topics with an emphasis on mechanistic details, prediction modules, and inhibition/dispersion chemistry, amongst others. In addition, technologists, consultants, plant managers, engineers, and designers working in industry will find a field-friendly overview of scale-related challenges and technological options for their mitigation. Provides a unique, detailed focus on scale deposits, includes the basic science and mechanisms of scale formation Present a field-friendly overview of scale-related challenges and technological options for their mitigation Correlates chemical structure to performance Provides guidelines for easy assessment of a particular case, also including solutions Includes an extensive list of industrial case studies for reference
Work and Its Secret Gulf Professional Publishing
Considers ratification of an international agreement to establish the International Atomic Energy Agency.
The Shambhala Encyclopedia of Yoga John Wiley & Sons
The ever-increasing popularity of Yoga and related practices makes a desktop reference like this indispensible. With over twenty-five hundred entries and extensive illustrations, it combines comprehensiveness with accessibility. The book is arranged and written in a manner that will inform rather than overwhelm the lay reader, while at the same time offering valuable references for the professional researcher and the historian of religion. This new edition includes information about contemporary Yoga teachers. It also provides fuller descriptions and illustrations of Yoga poses, and features additional cross references.

Inelastic Behavior of Composite Materials Springer
From the Earth's Core to Outer Space focuses on four themes: (1) Evolving Earth’s crust, (2) Changing Baltic Sea, (3) Climate Change, and (4) Planet Earth, third stone from Sun. The focus on these four topics provides both a state of the art review of earth science topics of particular importance to Scandinavia and the Baltic and also the global context in which a consideration of these topics must be made. It finishes by discussing our use of space born technologies for understanding these topics and places the Earth within the context of our neighbouring planets and their satellites. The first theme includes papers on the structure, origin and evolution of the Earth’s crust and in particular the ore deposits in Fennoscandia, plate-tectonic drift of Fennoscandia (Baltica), and postglacial isostatic rebound of the crust. The second theme contains papers dealing with changes in the ice season of the Baltic Sea, inflow and stagnation in deep basins, biology of the Baltic Sea, and carbon dioxide balance in sea water. The third theme deals with origin and evolution of oxygen in atmosphere, postglacial climate change, effects of aerosols and greenhouse gases on climate, interplay between anthropogenic and natural factors in the current climate change, and Earth’s water resources. The fourth theme includes articles on Earth’s space environment, use of satellites in cartography and geodesy, information obtained by space probes on Mars and other planets and their moons, and possibilities to find life on them.
Oil Field Chemicals John Wiley & Sons
This report describes research performed in ten laboratories within the framework of the IAEA Co-ordinated Research Project on Corrosion of Research Reactor Aluminium Clad Spent Fuel in Water. The project consisted of exposure of standard racks of corrosion coupons in the spent fuel pools of the participating research reactor laboratories and evaluation of the coupons after predetermined exposure times, along with periodic monitoring of the storage water. A group of experts in the field contributed a state of the art review and provided technical supervision of the project. Localized corrosion mechanisms are notoriously difficult to understand, and it was clear from the outset that obtaining consistency in the results and their interpretation from laboratory to laboratory would depend on the development of an excellent set of experimental protocols. These experimental protocols are described in the report, together with guidelines for the maintenance of optimum water chemistry to minimize the corrosion of aluminium clad research reactor fuel in wet storage.
Non-Destructive Evaluation of Corrosion and Corrosion-assisted Cracking Elsevier
Working Guide to Reservoir Rock Properties and Fluid Flow provides an introduction to the properties of rocks and fluids that are essential in petroleum engineering. The book is organized into three parts. Part 1 discusses the classification of reservoirs and reservoir fluids. Part 2 explains different rock properties, including porosity, saturation, wettability, surface and interfacial tension, permeability, and compressibility. Part 3 presents the mathematical relationships that describe the flow behavior of the reservoir fluids. The primary reservoir characteristics that must be considered include: types of fluids in the reservoir, flow regimes, reservoir geometry, and the number of flowing fluids in the reservoir. Each part concludes with sample problems to test readers knowledge of the topic covered. Critical properties of reservoir rocks Fluid (oil, water, and gas) PVT relationships Methods to calculate hydrocarbons initially in place Dynamic techniques to assess reservoir performance Parameters that impact well/reservoir performance over time
Production Chemicals for the Oil and Gas Industry, Second Edition Mohammed Hamed Ahmed Soliman
One of the first thing that comes to your mind after hearing the term “corrosion” is corrosion of a metal. Corrosion is a basically harmful phenomenon, but it can be useful in some cases. For instance, environment’s pollution with corrosion products and damage to the performance of a system are among its harmful effects, whereas electric energy generation in a battery and cathodic protection of many structures are among its advantages. However, these advantages are almost nothing as compared to the costs and effects imposed by its detrimental influences. The enormous costs of this phenomenon can be better understand through studying the published statistics on direct and indirect corrosion damages on economy of governments. The direct cost of corrosion is near 3 % of the gross domestic product (GDP) of USA. Considering this huge cost, it is necessary to develop and expand the corrosion science and its protection technologies.
EOS Boom Koninklijke Uitgevers
A truly global approach to world history built around significant world history stories. Worlds Together, Worlds Apart is organized around major world history stories and themes: the emergence of cities, the building of the Silk Road, the spread of major religions, the spread of the Black Death, the Age of Exploration, alternatives to nineteenth-century capitalism, the rise of modern nation-states and empires, and others. The Fourth Edition of this successful text has been streamlined, shortened, and features a new suite of tools designed to help students think critically, master content and make connections across time and place.
Clinical Toxicology Testing Advaita Ashrama (A publication branch of Ramakrishna Math, Belur Math)
This book addresses corrosion problems and their solutions at facilities in the oil refining and petrochemical industry, including cooling water and boiler feed water units. Further, it describes and analyzes corrosion control actions, corrosion monitoring, and corrosion management. Corrosion problems are a perennial issue in the oil refining and petrochemical industry, as they lead to a deterioration of the functional properties of metallic equipment and harm the environment – both of which need to be protected for the sake of current and future generations. Accordingly, this book examines and analyzes typical and atypical corrosion failure cases and their prevention at refineries and petrochemical facilities, including problems with: pipelines, tanks, furnaces, distillation columns, absorbers, heat exchangers, and pumps. In addition, it describes naphthenic acid corrosion, stress corrosion cracking, hydrogen damages, sulfidic corrosion, microbiologically induced corrosion, erosion-corrosion, and corrosion fatigue occurring at refinery units. At last, fouling, corrosion and cleaning are discussed in this book.
Metallurgy and Corrosion Control in Oil and Gas Production John Wiley & Sons
"A comprehensive overview of clinical laboratory toxicology services and analytes"--
Corrosion of Research Reactor Aluminium Clad Spent Fuel in Water Shambhala Publications
Market: Students and researchers in geophysics, astronomy, and astrophysics. This book reports on the timely Earth Observing System (EOS) Program's wide range of scientific investigations, observational capabilities, vast data and information system, and educational activities. Because its primary goal is to determine the extent, causes, and regional consequences of global climate change, this program provides the scientific knowledge needed by world leaders to formulate sound and equitable environmental policies.
Synthetic Detergents BoD – Books on Demand
A comprehensive text to the non-destructive evaluation of degradation of materials due to environment that takes an

interdisciplinary approach Non-Destructive Evaluation of Corrosion and Corrosion-assisted Cracking is an important resource that covers the critical interdisciplinary topic of non-destructive evaluation of degradation of materials due to environment. The authors—noted experts in the field—offer an overview of the wide-variety of approaches to non-destructive evaluation and various types of corrosion. The text is filled with instructive case studies from a range of industries including aerospace, energy, defense, and processing. The authors review the most common non-destructive evaluation techniques that are applied in both research and industry in order to evaluate the properties and more importantly degradation of materials components or systems without causing damage. Ultrasonic, radiographic, thermographic, electromagnetic, and optical are some of the methods explored in the book. This important text: Offers a groundbreaking interdisciplinary approach to of non-destructive evaluation of corrosion and corrosion-assisted cracking Discusses techniques for non-destructive evaluation and various types of corrosion Includes information on the application of a variety of techniques as well as specific case studies Contains information targeting industries such as aerospace, energy, processing Presents information from leading researchers and technologists in both non-destructive evaluation and corrosion Written for life assessment and maintenance personnel involved in quality control, failure analysis, and R&D, Non-Destructive Evaluation of Corrosion and Corrosion-assisted Cracking is an essential interdisciplinary guide to the topic.

EOS, a Mission to Planet Earth Springer Science & Business Media

Production chemistry issues result from changes in well stream fluids, both liquid and gaseous, during processing. Since crude oil production is characterized by variable production rates and unpredictable changes to the nature of the produced fluids, it is essential for production chemists to have a range of chemical additives available for rectifying issues that would not otherwise be fully resolved. Modern production methods, the need to upgrade crude oils of variable quality, and environmental constraints demand chemical solutions. Thus, oilfield production chemicals are necessary to overcome or minimize the effects of the production chemistry problems. Production Chemicals for the Oil and Gas Industry, Second Edition discusses a wide variety of production chemicals used by the oil and gas industry for down-hole and topside applications both onshore and offshore. Incorporating the large amount of research and applications since the first edition, this new edition reviews all past and present classes of production chemicals, providing numerous difficult-to-obtain references, especially SPE papers and patents. Unlike other texts that focus on how products perform in the field, this book focuses on the specific structures of chemicals that are known to deliver the required or desired performance—information that is very useful for research and development. Each updated chapter begins by introducing a problem, such as scale or corrosion, for which there is a production chemical. The author then briefly discusses all chemical and nonchemical methods to treat the problem and provides in-depth descriptions of the structural classes of relevant production chemicals. He also mentions, when available, the environmental properties of chemicals and whether the chemical or technique has been successfully used in the field. This edition includes two new chapters and nearly 50 percent more references.

Microbiologically Influenced Corrosion in the Upstream Oil and Gas Industry Springer Science & Business Media

This important, self-contained reference deals with structural life assessment (SLA) and structural health monitoring (SHM) in a combined form. SLA periodically evaluates the state and condition of a structural system and provides recommendations for possible maintenance actions or the end of structural service life. It is a diversified field and relies on the theories of fracture mechanics, fatigue damage process, and reliability theory. For common structures, their life assessment is not only governed by the theory of fracture mechanics and fatigue damage process, but by other factors such as corrosion, grounding, and sudden collision. On the other hand, SHM deals with the detection, prediction, and location of crack development online. Both SLA and SHM are combined in a unified and coherent treatment.

Electrochemical Methods for Hydrogen Production Shambhala Publications

"Psychoanalysis itself and the lines of thought to which it gives rise," said C. G. Jung, "are only a beginner’s attempt compared to what is an immemorial art in the East"—by which he was referring to the millennia-old study of the mind found in Yoga. That tradition was hardly known in the West when the discipline of psychology arose in the nineteenth century, but with the passing of time the common ground between Yoga and psychology has become ever more apparent. Georg Feuerstein here uses a modern psychological perspective to explore the ways Hindu, Buddhist, and Jaina yogas have traditionally regarded the mind and how it works—and shows how that understanding can enhance modern psychology in both theory and practice.

EOS Data and Information System (EOSDIS). Springer

The study of electrochemical reactions by relaxation or transient techniques has expanded rapidly over the last two decades. The impetus for the develop ment of these techniques has been the desire to obtain quantitative data on the rates of "fast" electrochemical processes, including those coupled to homogeneous chemical reactions in solution. This has necessarily meant the development of techniques that are capable of delineating the effects of mass transport and charge transfer at very short times. The purpose of this book is to describe how the various transient techniques may be used to obtain the desired information. Emphasis is placed upon the detailed mathematical development of the subject, since this aspect is the most frequently ignored in other texts in this field. In any relaxation or transient technique for the study of rate processes, it is necessary to disturb the reaction from equilibrium or the steady state by applying a perturbing impulse to the system. The system is then allowed to relax to a new equilibrium or steady-state position, and. the transient (i. e. , the response as a function of time) is analyzed to extract the desired kinetic information. In electrochemical studies the heterogeneous rate constants are, in general, dependent upon the potential difference across the interface, so that the perturbing impulse frequently takes the form of a known variation in potential as a function of time.

Working Guide to Reservoir Rock Properties and Fluid Flow Gulf Professional Publishing

Strategic planning, including the required quantitative methods, is an essential part of bank management and control. In this book capital, risk and yield are treated comprehensively and seamlessly. And a thorough introduction to the advanced methods of risk management for all sectors of banking is discussed. In addition, directly applicable concepts and data such as macroeconomic scenarios for strategic planning and stress testing as well as detailed scenarios for operational risk and advanced concepts for credit risk are presented in straightforward language. The book analyzes the effects of macroeconomic and regulatory developments such as the set of Basel III rules on planning, and it also presents and discusses the consequences for actively meeting these challenges, especially in terms of capital. A wealth of essential background information

from practice, international observations and comparisons, along with numerous illustrative examples, make this book a useful resource for established and future professionals in bank management, risk/return management, controlling and accounting.

Petroleum Rock Mechanics Springer

This book serves as a comprehensive resource on metals and materials selection for the petrochemical industrial sector. The petrochemical industry involves large scale investments, and to maintain profitability the plants are to be operated with minimum downtime and failure of equipment, which can also cause safety hazards. To achieve this objective proper selection of materials, corrosion control, and good engineering practices must be followed in both the design and the operation of plants. Engineers and professional of different disciplines involved in these activities are required to have some basic understanding of metallurgy and corrosion. This book is written with the objective of servings as a one-stop shop for these engineering professionals. The book first covers different metallic materials and their properties, metal forming processes, welding, and corrosion and corrosion control measures. This is followed by considerations in material selection and corrosion control in three major industrial sectors, oil & gas production, oil refinery, and fertilizers. The importance of pressure vessel codes as well as inspection and maintenance repair practices have also been highlighted. The book will be useful for technicians and entry level engineers in these industrial sectors. Additionally, the book may also be used as primary or secondary reading for graduate and professional coursework.

Corrosion Problems and Solutions in Oil Refining and Petrochemical Industry CRC Press

Corrosion has been largely considered to be caused only abiotically, without regard of any biological influence. However, corrosion of organic materials, metals, minerals and plastics can be strongly influenced by microorganisms, enhancing the kinetics of the corrosion processes. This book presents case histories, theoretical explanations, and methods for the detection, sanitation and prevention of biologically influenced corrosion.

Casting defects handbook : Aluminium and Aluminium alloys Elsevier

The International Complete Collection of R&D Information about Traditional Chinese Materia Medica (TCMM) and Biotechnology (BT) Enterprises is designed as an informative medicinal reference directory listing of up-to-date R&D information about TCMM, medical biotechnology, and related medical equipment companies. The focus of this valuable and practical directory is on providing a comprehensive coverage of the most recent developments in scientific research, patents and major products of about 3,000 companies from 50 countries covering the five continents: Asia, Europe, America, Africa and the Oceania. The resource material and information are relevant and compulsory to practitioners and professionals in the fields of TCMM, medical biotechnology, biochemical industry and related medical instrumentation/equipment, as well as to organizational departments of the medicinal information management, intelligence, logistics and trade. The directory also opens up and serves as an important window through which biotech professionals master product information of their counterparts across the world. The directory will benefit professionals of medical heath, TCMM, biotechnology and related fields, as well as academics and students, executives of research, information media staffs and translators.

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