

Deposizione Fisica Da Vapore Wikipedia

Conifer Cold Hardiness provides an up-to-date synthesis by leading scientists in the study of the major physiological and environmental factors regulating cold hardiness of conifer tree species. This state-of-the-art reference comprehensively explains current understanding of conifer cold hardiness ranging from the gene to the globe and from the highly applied to the very basic. Topics addressed encompass cold hardiness from the perspectives of ecology, ecophysiology, acclimation and deacclimation, seedling production and reforestation, the impacts of biotic and abiotic factors, and methods for studying and analyzing cold hardiness. The content is relevant to geneticists, ecologists, stress physiologists, environmental and global change scientists, pathologists, advanced nursery and silvicultural practitioners, and graduate students involved in plant biology, plant physiology, horticulture and forestry with an interest in cold hardiness.

In AD 8 Ovid's brilliant career was abruptly ruined when the Emperor Augustus banished him, for reasons never satisfactorily explained, to Tomis (Constanta) on the Black Sea. The five books of *Tristia* (Sorrows) express his reaction to this savage and, as he clearly regarded it, unjust sentence. Though their ostensible theme is the misery and loneliness of exile, their real message, if they are read with the care they deserve, is one of affirmation. With a wit and irony that borders on defiance, Ovid repeatedly asserts the injustice of his sentence and of the preeminence of the eternal values of poetry over the ephemeral dictates of an earthly power. In technical skill and inventiveness these elegies rank with the *Art of Love* or the *Fasti*. For this new translation Alan Melville has reproduced, in rhyming stanzas, the virtuosity, wit, and elegance of the original.

A volume of selected papers from the Ninth International Conference on the History of Science in East Asia (ICHSEA). It addresses diverse topics in astronomy, traditional Chinese medicine, the history of mathematics, and Western science in East Asia.

First published in 1971, this highly popular text is devoted to the interdisciplinary area of critical phenomena, with an emphasis on liquid-gas and ferromagnetic transitions. Advanced undergraduate and graduate students in thermodynamics, statistical mechanics, and solid state physics, as well as researchers in physics, mathematics, chemistry, and materials science, will welcome this paperback edition of Stanley's acclaimed text.

Engineering Geology for Society and Territory - Volume 5

Color and Colorimetry. Multidisciplinary Contributions

RHEED Transmission Mode and Pole Figures

Basic Notions Of Condensed Matter Physics

And of the Hardships and Sufferings of that Band of Heroes who Traversed the Wilderness of Maine from Cambridge to the St. Lawrence, in the Autumn of 1775

The Sultan's Book of Delights

This English translation of al-Warraq's tenth-century cookbook offers a unique glimpse into the culinary culture of medieval Islam. Hundreds of recipes, anecdotes, and poems, with an extensive Introduction, a Glossary, an Appendix, and color illustration.

Informative and entertaining to scholars and general readers.

This unique book covers the fundamental principle of electron diffraction, basic instrumentation of RHEED, definitions of textures in thin films and nanostructures, mechanisms and control of texture formation, and examples of RHEED transmission mode measurements of texture and texture evolution of thin films and nanostructures. Also presented is a new application of RHEED in the transmission mode called RHEED pole figure technique that can be used to monitor the texture evolution in thin film growth and nanostructures and is not limited to single crystal epitaxial film growth.

Details of the construction of RHEED pole figures and the interpretation of observed pole figures are presented. Materials covered include metals, semiconductors, and thin insulators. This book also: Presents a new application of RHEED in the transmission mode Introduces a variety of textures from metals, semiconductors, compound semiconductors, and their characteristics in RHEED pole figures Provides examples of RHEED measurements of texture and texture evolution, construction of RHEED pole figures, and interpretation of observed pole figures RHEED Transmission Mode and Pole Figures: Thin Film and Nanostructure Texture Analysis is ideal for researchers in materials science and engineering and nanotechnology.

A darkly humorous exploration of the human body and its various functions in poetic prose, Valerio Magrelli's *The Condominium of the Flesh*, a personal chronicle of his clinical experience, catalogues a life history of ailments without ever being pathological. This book is one out of 8 IAEG XII Congress volumes, and deals with the theme of urban geology. Along with a rapidly growing world population, the wave of urban growth continues, causing cities to swell and new metropolitan centers to emerge. These global trends also open new ventures for underground city development. Engineering geology plays a major role in facing the increasing issues of the urban environment, such as: finding aggregates for construction works; providing adequate water supply and waste management; solving building problems associated to geological and geomorphological conditions; evaluating host rock conditions for underground constructions; preventing or mitigating geological and seismic hazards. Furthermore, this book illustrates recent advancements in sustainable land use planning, which includes conservation, protection, reclamation and landscape impact of open pit mining and alternative power generation. The Engineering Geology for Society and Territory volumes of the IAEG XII Congress held in Torino from September 15-19, 2014, analyze the dynamic role of engineering geology in our changing world and build on the four main themes of the congress: environment, processes, issues and approaches. The congress topics and subject areas of the 8 IAEG XII Congress volumes are: 1. Climate Change and Engineering Geology 2. Landslide Processes River Basins 3. Reservoir Sedimentation and Water Resources 4. Marine and Coastal Processes Urban Geology 5. Sustainable Planning and Landscape Exploitation 6. Applied Geology for Major Engineering Projects 7. Education, Professional Ethics and Public Recognition of Engineering Geology 8. Preservation of Cultural Heritage

BASF Handbook on Basics of Coating Technology

The Ni'matnama Manuscript of the Sultans of Mandu

Account of Arnold's Campaign Against Quebec

Aerosol Technology

Urban Geology, Sustainable Planning and Landscape Exploitation

Atmospheric Chemistry and Physics

This examination of the role of agriculture and food in the new international division of labor argues that the globalized economy creates new winners and losers.

Sample Text

First Published in 2018. Routledge is an imprint of Taylor & Francis, an Informa company.

This collection of historical research studies covers the

evolution of technology as knowledge, the emergence of an autonomous engineering science in the Industrial Age, the idea of scientific management of production and operation systems, and the interaction between mathematical models and technological concepts. The book is published with the support of the UNESCO Venice Office - Regional Office for Science & Technology in Europe as an activity of the Project: The evolution of events, concepts and models in engineering systems.

*Properties, Behavior, and Measurement of Airborne Particles
Unit Operations of Chemical Engineering
Environmental and Occupational Medicine
Sorrows of an Exile*

*Introduction to Phase Transitions and Critical Phenomena
Controlling • Managing • Organizing*

Written for geologists and diamond prospectors, this guidebook provides a general overview of diamond exploration and exploitation. The text covers how to find, recognize, and evaluate the potential of diamond deposits. As examples, the book reviews the history of some important diamond discoveries in Russia and the western United States. Much of the book is focused on geology of common diamond host rocks, including kimberlite and lamproite. In addition, it reviews the occurrence of some of the more unconventional host rocks that have produced some notable diamond discoveries. The material found in diamond deposits provides a foundation for discussing some of the most fundamental problems of theoretical geology, such as the timing of geological events and the development of cratonic areas. The authors are both experienced geologists who bring years of field experience to their writing. This resource provides a comprehensive look at the geology of diamonds, including historical data, crystal structure, and methods of exploration. 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. The new Handbook on Basics of Coating Technology is a classic reference recently updated with 18 years worth of new technology, standards, and developments in the worldwide coating industry. This is an indispensable reference for anyone in the industry. Whether you are involved in traditional processes or the most innovative, this handbook will be a critical addition to your daily routine. Full of color images, graphs, and figures, the handbook comes complete with standard tables, general classification figures, definitions, and an extensive keyword index. Both engineers and technicians will find the answers they need within its pages. Instead of solving problems "after the fact," this handbook helps avoiding them in the first place, saving time and money. This reference also gives beginners and practically oriented readers a journey through the different coating segments clearly illustrated with lots of pictures. It also outlines the social changes in the industry concerning environmental compatibility and toxicology which have seriously affected product development.

"There is only one known copy of the Sultan's Book of Delights in existence and it is held in the Oriental and India Office Collections of the British Library (BL. Persian 149). The manuscript is illustrated with fifty elegant miniature paintings, most of which show the Sultan, Ghiyath Shahi, observing the women of his court as they prepare and serve him various dishes. The book is fascinating in that the text documents a remarkable stage in the history of Indian cookery whilst the miniatures demonstrate the influence of imported Persian artists on the style of the Indian artists employed in Ghiyath Shahi's academy."--Jacket.

World Energy Outlook 2017

From Columbus to ConAgra

Environmental Chemistry

Theory of Restoration

Molding the Flow of Light - Second Edition

The Arnolfini Betrothal

Covering the elementary aspects of the physics of phases transitions and the renormalization group, this popular book is widely used both for core graduate statistical mechanics courses as well as for more specialized courses. Emphasizing understanding and clarity rather than technical manipulation, these lectures de-mystify the subject and show precisely "how things work." Goldenfeld keeps in mind a reader who wants to understand why things are done, what the results are, and what in principle can go wrong. The book reaches both experimentalists and theorists, students and even active researchers, and assumes only a prior knowledge of statistical mechanics at the introductory graduate level. Advanced, never-before-printed topics on the applications of renormalization group far from equilibrium and to partial differential equations add to the uniqueness of this book.

Over the past ten years, a number of cytokines and growth factors have proven to be as effective therapeutics. While these products have certainly established recombinant biologics as a major pharmaceutical growth sector, the continued interest in this class of drugs arises from the fact that today we have a far better understanding of the human immune response, both at a cellular and molecular level. This has resulted in a more methodical characterisation of these factors which has given clinical researchers an opportunity to plan Phase 1 clinical trials that can provide substantial information on the activity of the cytokine in humans.

Currently, a great deal of effort is also being channelled into identifying cytokines from the various DNA databases. Our major objective for this book is to profile cytokines that have been recently identified. The therapeutic potential of these cytokines based on their known properties will be discussed by the authors. The main aim of this book is to provide...

Deals not only with the properties of the radiation modes inside the crystals but also with their peculiar optical response to external fields. A general theory of linear and nonlinear optical response is presented in a clear and detailed fashion using the Green's function method. Important recent developments such as the enhancement of stimulated emission, second harmonic generation, quadrature-phase squeezing, and low-threshold lasing are likewise treated in detail and made understandable. Numerical methods are also emphasised. This book provides both introductory knowledge for graduate and undergraduate students and important ideas for researchers.

Collection of terms with authoritative definitions, spanning the whole range of chemistry.

A Tour Through the Southern Provinces of the Kingdom of Naples

The Three Treasures

Origin, Exploration, and History of Discovery

Climate Change and Groundwater

The Gold Book

From Air Pollution to Climate Change

Kinue Nomura survived World War II only to be murdered in Tokyo, her severed limbs discovered in a room locked from the inside. Gone is the part of her that bore one of the most beautiful full-body tattoos ever rendered. Kenzo Matsushita, a young doctor who was first to discover the crime scene, feels compelled to assist his detective brother, who is in charge of the case. But Kenzo has a secret: he was Kinue's lover, and soon his involvement in the investigation becomes as twisted and complex as the writhing snakes that once adorned Kinue's torso. The Tattoo Murder Case was originally published in 1948; this is the first English translation.

*The #1 guide to aerosol science and technology -now better than ever Since 1982, Aerosol Technology has been the text of choice among students and professionals who need to acquire a thorough working knowledge of modern aerosol theory and applications. Now revised to reflect the considerable advances that have been made over the past seventeen years across a broad spectrum of aerosol-related application areas - from occupational hygiene and biomedical technology to microelectronics and pollution control -this new edition includes: * A chapter on bioaerosols * New sections on resuspension, transport losses, respiratory deposition models, and fractal characterization of particles * Expanded coverage of atmospheric aerosols, including background aerosols and urban aerosols * A section on the impact of aerosols on global warming and ozone depletion. Aerosol Technology, Second Edition also features dozens of new, fully worked examples drawn from a wide range of industrial and research settings, plus new chapter-end practice problems to help readers master the material quickly.*

The great importance of mosquitoes lies in their role as transmitters of pathogens and parasites, and in their use as experimental animals well suited to laboratory investigations into aspects of biochemistry, physiology and behaviour. The largest part of this latest volume of *The Biology of Mosquitoes* concerns interactions between mosquitoes and viruses and the transmission of arboviruses to their vertebrate hosts, while the remainder concerns symbiotic interactions between mosquitoes and bacteria. The introduction provides a timely review of the first major development in mosquito taxonomy for several decades. Further chapters describe the interactions between mosquitoes and the viruses that infect them, the transmission and epidemiology of seven very important arboviruses, and the biology of bacteria that are important control agents or of great biological interest. Like the earlier volumes, Volume 3 combines recent information with earlier important findings from field and laboratory to provide the broadest coverage available on the subject.

Thoroughly restructured and updated with new findings and new features *The Second Edition* of this internationally acclaimed text presents the latest developments in atmospheric science. It continues to be the premier text for both a rigorous and a complete treatment of the chemistry of the atmosphere, covering such pivotal topics as: * Chemistry of the stratosphere and troposphere * Formation, growth, dynamics, and properties of aerosols * Meteorology of air pollution * Transport, diffusion, and removal of species in the atmosphere * Formation and chemistry of clouds * Interaction of atmospheric chemistry and climate * Radiative and climatic effects of gases and particles * Formulation of mathematical chemical/transport models of the atmosphere All chapters develop results based on fundamental principles, enabling the reader to build a solid understanding of the science underlying atmospheric processes. Among the new material are three new chapters: *Atmospheric Radiation and Photochemistry*, *General Circulation of the Atmosphere*, and *Global Cycles*. In addition, the chapters *Stratospheric Chemistry*, *Tropospheric Chemistry*, and *Organic Atmospheric Aerosols* have been rewritten to reflect the latest findings. Readers familiar with the *First Edition* will discover a text with new structures and new features that greatly aid learning. Many examples are set off in the text to help readers work through the application of concepts. Advanced material has been moved to appendices. Finally, many new problems, coded by degree of difficulty, have been added. A solutions manual is available. Thoroughly updated and restructured, the *Second Edition* of *Atmospheric Chemistry and Physics* is an ideal textbook for upper-

level undergraduate and graduate students, as well as a reference for researchers in environmental engineering, meteorology, chemistry, and the atmospheric sciences. Click here to Download the Solutions Manual for Academic Adopters:

<http://www.wiley.com/WileyCDA/Section/id-292291.html>

Or, The Rape of the Bucket, on Heroi-commical Poem in Twelve Cantos

The Tattoo Murder Case

Urban Identities in Northern Italy, 800-1100 CA.

IUPAC Compendium of Chemical Terminology

The Concise Encyclopedia of Statistics

Since it was first published in 1995, *Photonic Crystals* has remained the definitive text for both undergraduates and researchers on photonic band-gap materials and their use in controlling the propagation of light. This newly expanded and revised edition covers the latest developments in the field, providing the most up-to-date, concise, and comprehensive book available on these materials and their applications. Starting from Maxwell's equations and Fourier analysis, the authors develop the theoretical tools of photonics using principles of linear algebra and symmetry, emphasizing analogies with traditional solid-state physics and quantum theory. They then investigate the unique phenomena that take place within photonic crystals at defect sites and surfaces, from one to three dimensions. This new edition includes entirely new chapters describing important hybrid structures that use band gaps or periodicity only in some directions: periodic waveguides, photonic-crystal slabs, and photonic-crystal fibers. The authors demonstrate how the capabilities of photonic crystals to localize light can be put to work in devices such as filters and splitters. A new appendix provides an overview of computational methods for electromagnetics. Existing chapters have been considerably updated and expanded to include many new three-dimensional photonic crystals, an extensive tutorial on device design using temporal coupled-mode theory, discussions of diffraction and refraction at crystal interfaces, and more. Richly illustrated and accessibly written, *Photonic Crystals* is an indispensable resource for students and researchers. Extensively revised and expanded Features improved graphics throughout Includes new chapters on photonic-crystal fibers and combined index-and band-gap-guiding Provides an introduction to coupled-mode theory as a powerful tool for device design Covers many new topics including omnidirectional reflection, anomalous refraction and diffraction, computational photonics, and much more.

Cloud physics is concerned with the processes responsible for the formation of clouds and the release of precipitation. This classic book gives a comprehensive account of research on the microphysical processes of nucleation, condensation, droplet growth, initiation and growth of snow crystals, and the mechanisms of precipitation release.

The book aims to reflect on the characteristics of urban centers of the kingdom of Italy between the ninth and the eleventh centuries, filling a noticeable historiographical gap. The cities in Northern Italy in this period have not yet been analysed with a multidisciplinary approach, able to outline their specific and distinctive characteristics and to relate this particular period both to the post-Roman past and also to the following Communal phase. Urban identities are examined from different points of view: from a political perspective, in relation to the dialectic between centre and periphery and to the border areas of the kingdom; from an institutional and territorial standpoint, analyzing the structures of local power and public territorializations; according to social and military history approaches, highlighting the continuities and transformations in comparison with former and following centuries. The issue of urban identities is also investigated archaeologically, in relation to urban development and to topographic transformations, and

culturally explored, examining mutual exchanges between the cities of the kingdom. Another aspect rarely addressed by previous literature is ultimately to compare the results of this research on the Italic kingdom with studies on the Transalpine Carolingian and post-Carolingian empire and kingdoms, outlining common trends, but also specific peculiarities

The Concise Encyclopedia of Statistics presents the essential information about statistical test concepts, and analytical methods in language that is accessible to practitioners and students vast community using statistics in medicine, engineering, physical science, life science, social science, and business/economics. The reference is alphabetically arranged to provide quick access to the fundamental tools of statistical methodology and biographies of famous statisticians. The more than 500 entries include definitions, history, mathematical details, limitations, examples, references, and further readings. All entries include cross-references as well as the key citations. The back matter includes a timeline of statistical inventions. This reference will be an enduring resource for locating convenient overviews about this essential field of study.

Ibn Sayy'r Al-Warr?q's Tenth-Century Baghdadi Cookbook

Condominium of the Flesh

Thin Film and Nanostructure Texture Analysis

Quantum and Statistical Field Theory

Annals of the Caliphs' Kitchens

With Applications in Chemistry and Chemical Engineering

There is a general consensus that for the next few decades at least, the Earth will continue its warming. This will inevitably bring about serious environmental problems. For human society, the most severe will be those related to alterations of the hydrological cycle, which is already heavily influenced by human activities. Climate change will directly affect groundwater recharge, groundwater quality and the freshwater-seawater interface. The variations of groundwater storage inevitably entail a variety of geomorphological and engineering effects. In the areas where water resources are likely to diminish, groundwater will be one of the main solutions to prevent drought. In spite of its paramount importance, the issue of 'Climate Change and Groundwater' has been neglected. This volume presents some of the current understanding of the topic. Edwin Hall's accessible study of Jan van Eyck's 1434 painting known as the "Arnolfini Wedding" makes a unique contribution to the fascinating history of betrothal and marriage custom, ritual, and ceremony, and offers a compelling new interpretation of this wonderful work of art. 16 color plates. 62 b&w illustrations.

Global warming. Renewable energy. Hazardous waste. Air Pollution. These and other environmental topics are being discussed and debated more vigorously than ever. Colin Baird and Michael Cann's Environmental Chemistry is the only textbook that explores the chemical processes and

properties underlying these crucial issues at an accessible, introductory level. With authoritative coverage that balances soil, water, and air chemistry, the new edition again focuses on the environmental impacts of chemical production and experimentation, offering additional "green chemistry" sections and new case studies, plus updated coverage of energy production (especially biofuels), the generation and disposal of CO₂, and innovative ways to combat climate change.

IUPAC Compendium of Chemical TerminologyThe Gold Book

Optical Properties of Photonic Crystals

The Biology of Mosquitoes, Volume 3 Transmission of Viruses and Interactions with Bacteria

Conifer Cold Hardiness

The Physics of Clouds

La Secchia Rapita

Lectures On Phase Transitions And The Renormalization Group

PROPOSAL DESCRIPTION: Now in its updated Fourth Edition, this classic text provides comprehensive coverage of all aspects of occupational and environmental medicine. The book offers accurate, current information on the history, causes, prevention, and treatment of a wide range of environmental and occupational diseases and includes numerous case studies. This edition includes more information on gene-environment interactions. The section on air pollution has been completely reorganized. Other Fourth Edition highlights include expanded coverage of government responses to the field and a new chapter on children's environmental health. Now in its updated Fourth Edition, this classic text provides comprehensive coverage of all aspects of occupational and environmental medicine. The book offers accurate, current information on the history, causes, prevention, and treatment of a wide range of environmental and occupational diseases and includes numerous case studies. This edition includes more information on gene-environment interactions. The section on air pollution has been completely reorganized. Other Fourth Edition highlights include expanded coverage of government responses to the field and a new chapter on children's environmental health.

The Principles of Chemical Equilibrium

Photonic Crystals

Medieval Marriage and the Enigma of Van Eyck's Double Portrait

Historical Perspectives on East Asian Science, Technology, and Medicine

Diamond Deposits

The Globalization of Agriculture and Food