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International Diode Equivalents Guide
 Essentials of Organizational Behavior
 IBM Copy Services Manager Implementation Guide
 America Buys
 Consumers Index to Product Evaluations and Information Sources
 How to Think Like an Entrepreneur
 Official Gazette of the United States Patent and Trademark Office
 Audio
 Plant signaling: Understanding the molecular crosstalk
 The Chemistry of the Actinide and Transactinide Elements (3rd ed., Volumes 1-5)
 Status of Fast Reactor Research and Technology Development
 Making Choices about Hydrogen
 DB2 9 for z/OS and Storage Management
 Phosphorus: Polluter and Resource of the Future
 IBM FileNet P8 Platform and Architecture
 IBM Information Infrastructure Solutions Handbook
 Gas Turbines for Electric Power Generation
 Asian Shipping
 Handbook of Biomass Downdraft Gasifier Engine Systems
 Japan English Publications in Print
 Pinpointer
 Best Practices for DS8000 and z/OS HyperSwap with Copy Services Manager
 SAP HANA on IBM Power Systems: High Availability and Disaster Recovery Implementation Updates
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 Industrial Pharmaceutical Biotechnology
 Hi Fi/stereo Review
 Spectrum Interfacing and Projects
 Hi-fi News & Record Review
 Problematic Soils and Geoenvironmental Concerns
 Internet of Things From Hype to Reality
 IBM FileNet Content Manager Implementation Best Practices and Recommendations
 6th International Conference on Advancements of Medicine and Health Care through Technology; 17-20 October 2018, Cluj-Napoca, Romania
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 Electrode Processes and Electrochemical Engineering
 Ultraclean Surface Processing of Silicon Wafers

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LYRIC URIEL

International Diode Equivalents Guide IDRC

A totally new concept for clean surface processing of Si wafers is introduced in this book. Some fifty distinguished researchers and engineers from the leading Japanese semiconductor companies, such as NEC, Hitachi, Toshiba, Sony and Panasonic as well as from several universities reveal to us for the first time the secrets of these highly productive institutions. They describe the techniques and equipment necessary for the preparation of clean high-quality semiconductor surfaces as a first step in high-yield/high-quality device production. This book thus opens the door to the manufacturing of reliable nanoscale devices and will be extremely useful for every engineer, physicist and technician involved in the production of silicon semiconductor devices.

Essentials of Organizational Behavior SAGE Publications
 The Chemistry of the Actinide and Transactinide Elements is a contemporary and definitive compilation of chemical properties of all of the actinide elements, especially of the technologically important elements uranium and plutonium, as well as the

transactinide elements. In addition to the comprehensive treatment of the chemical properties of each element, ion, and compound from atomic number 89 (actinium) through to 109 (meitnerium), this multi-volume work has specialized and definitive chapters on electronic theory, optical and laser fluorescence spectroscopy, X-ray absorption spectroscopy, organoactinide chemistry, thermodynamics, magnetic properties, the metals, coordination chemistry, separations, and trace analysis. Several chapters deal with environmental science, safe handling, and biological interactions of the actinide elements. The Editors invited teams of authors, who are active practitioners and recognized experts in their specialty, to write each chapter and have endeavoured to provide a balanced and insightful treatment of these fascinating elements at the frontier of the periodic table. Because the field has expanded with new spectroscopic techniques and environmental focus, the work encompasses five volumes, each of which groups chapters on related topics. All chapters represent the current state of research in the chemistry of these elements and related fields.

IBM Copy Services Manager Implementation Guide BoD - Books on Demand

This IBM® Redbooks® publication can help you tailor and configure DFSMS constructs to be used in an IBM DB2® 9 for z/OS® environment. In addition, it provides a broad understanding of new disk architectures and their impact in DB2 data set management for large installations. This book addresses both the DB2 administrator and the storage administrator. The DB2 administrator can find information about how to use DFSMS for managing DB2 data sets; the storage administrator can find information about the characteristics of DB2 data sets and how DB2 uses the disks. This book describes optimal use of disk storage functions in DB2 for z/OS environments that can best make productive use of the synergy with I/O subsystem on IBM System z®. This book covers the following topics: - Using SMS to manage DB2 catalog, log, data, indexes, image copies, archives, work files - Taking advantage of IBM FlashCopy® for DB2 utilities, striping, copy pools - Setting page sizes and using sliding allocation - A description of PAV, MA, MIDAW, EF, EA, EAV, zHPF and why they are helpful - Compressing data and the use disk and tape for large data sets - Backup and restore, and remote copy services

America Buys IBM Redbooks

This IBM® Redbooks® publication updates Implementing High Availability and Disaster Recovery Solutions with SAP HANA on IBM Power Systems, REDP-5443 with the latest technical content that describes how to implement an SAP HANA on IBM Power Systems™ high availability (HA) and disaster recovery (DR) solution by using theoretical knowledge and sample scenarios. This book describes how all the pieces of the reference architecture work together (IBM Power Systems servers, IBM Storage servers, IBM Spectrum™ Scale, IBM PowerHA® SystemMirror® for Linux, IBM VM Recovery Manager DR for Power Systems, and Linux distributions) and demonstrates the resilience of SAP HANA with IBM Power Systems servers. This publication is for architects, brand specialists, distributors, resellers, and anyone developing and implementing SAP HANA on IBM Power Systems integration, automation, HA, and DR solutions. This publication provides documentation to transfer the how-to-skills to the technical teams, and documentation to the sales team.

Consumers Index to Product Evaluations and Information Sources

Hi-fi News & Record Review
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America Buys
AudioPhosphorus: Polluter and Resource of the Future
An entrepreneur is someone who has a great, innovative idea that identifies the need for the creation of a new business, taking on the financial risk in the hope of profit and driving that business forward in a measured way. This book draws on the stories, experiences and words of iconic business figures from around the globe and across the years - from Andrew Carnegie and Oprah Winfrey to Steve Jobs and Sunil Mittal. Each chapter deals with a specific aspect of entrepreneurship and the lessons they can teach us, such as: - If you want to become big, you need to think big. If you're content for your business to tick over, that's fine. But if you want it to be a world-beater, you need a world-beater's mindset. - Don't forget what makes your business scalable in the first place. - Prepare your company for growing pains. Expansion brings inevitable problems but an entrepreneur should do everything possible to ready their business. - Try to predict what lies ahead - but remember Warren Buffet's wise words: 'Forecasts usually tell us more of the forecaster than of the future'. Each study includes quotations from and about its main subject, along with words of wisdom from other relevant famous names. Informative, educative and thought provoking, *How to Think Like an Entrepreneur* presents the ideas and methods of the business greats, allowing the reader to expand their understanding of what drives and informs successful entrepreneurship.

How to Think Like an Entrepreneur IBM Redbooks

This volume presents the contributions of the 6th International Conference on Advancements of Medicine and Health Care through Technology – MediTech 2018, held between 17 – 20 October 2018 in Cluj-Napoca, Romania. The papers of this Proceedings volume present new developments in : - Health Care Technology - Medical Devices, Measurement and Instrumentation - Medical Imaging, Image and Signal Processing - Modeling and Simulation - Molecular Bioengineering - Biomechanics
Official Gazette of the United States Patent and Trademark Office
DIANE Publishing

IBM® FileNet® Content Manager Version 5.2 provides full content lifecycle and extensive document management capabilities for digital content. IBM FileNet Content Manager is tightly integrated with the family of IBM FileNet products based on the IBM FileNet P8 technical platform. IBM FileNet Content Manager serves as the core content management, security management, and storage management engine for the products. This IBM Redbooks® publication covers the implementation best practices and recommendations for solutions that use IBM FileNet Content Manager. It introduces the functions and features of IBM FileNet Content Manager, common use cases of the product, and a design methodology that provides implementation guidance from requirements analysis through production use of the solution. We address administrative topics of an IBM FileNet Content Manager solution, including deployment, system administration and maintenance, and troubleshooting. Implementation topics include system architecture design with various options for scaling an IBM FileNet Content Manager system, capacity planning, and design of repository design logical structure, security practices, and application design. An important implementation topic is business continuity. We define business continuity, high availability, and disaster recovery concepts and describe options for those when implementing IBM FileNet Content Manager solutions. Many solutions are essentially a combination of information input (ingestion), storage, information processing, and presentation and delivery. We discuss some solution building blocks that designers can combine to build an IBM FileNet Content Manager solution. This book is intended to be used in conjunction with product manuals and online help to provide guidance to architects and designers about implementing IBM FileNet Content Manager solutions. Many of the features and practices described in the book also apply to previous versions of IBM FileNet Content Manager.

Audio Springer Science & Business Media

This book comprehensively describes an end-to-end Internet of Things (IoT) architecture that is comprised of devices, network, compute, storage, platform, applications along with management and security components. It is organized into five main parts, comprising of a total of 11 chapters. Part I presents a generic IoT reference model to establish a common vocabulary for IoT solutions. This includes a detailed description of the Internet protocol layers and the Things (sensors and actuators) as well as the key business drivers to realize the IoT vision. Part II focuses on the IoT requirements that impact networking protocols and provides a layer-by-layer walkthrough of the protocol stack with emphasis on industry progress and key gaps. Part III introduces the concept of Fog computing and describes the drivers for the technology, its constituent elements, and how it relates and differs from Cloud computing. Part IV discusses the IoT services platform, the cornerstone of the solution followed by the Security functions and requirements. Finally, Part V provides a treatment of the topic of connected ecosystems in IoT along with practical applications. It then surveys the latest IoT standards and discusses the pivotal role of open source in IoT. “Faculty will find

well-crafted questions and answers at the end of each chapter, suitable for review and in classroom discussion topics. In addition, the material in the book can be used by engineers and technical leaders looking to gain a deep technical understanding of IoT, as well as by managers and business leaders looking to gain a competitive edge and understand innovation opportunities for the future." Dr. Jim Spohrer, IBM "This text provides a very compelling study of the IoT space and achieves a very good balance between engineering/technology focus and business context. As such, it is highly-recommended for anyone interested in this rapidly-expanding field and will have broad appeal to a wide cross-section of readers, i.e., including engineering professionals, business analysts, university students, and professors." Professor Nasir Ghani, University of South Florida

Plant signaling: Understanding the molecular crosstalk Springer

With a variety of detection chemistries, an increasing number of platforms, multiple choices for analytical methods and the jargon emerging along with these developments, real-time PCR is facing the risk of becoming an intimidating method, especially for beginners. Real-time PCR provides the basics, explains how they are exploited to run a real-time PCR assay, how the assays are run and where these assays are informative in real life. It addresses the most practical aspects of the techniques with the emphasis on 'how to do it in the laboratory'. Keeping with the spirit of the Advanced Methods Series, most chapters provide an experimental protocol as an example of a specific assay.

The Chemistry of the Actinide and Transactinide Elements (3rd ed., Volumes 1-5) IWA Publishing

This volume comprises select papers presented during the Indian Geotechnical Conference 2018. This volume focuses on discussing the many challenges encountered in geoenvironmental engineering. The book covers sustainability aspects related to geotechnical engineering, problematic soils and ground improvement, use of geosynthetics and concepts of soil dynamics. The contents of this book will be useful to researchers and professionals working in geo-environmental engineering and to policy makers interested in understanding geotechnical concerns related to sustainable development.

Status of Fast Reactor Research and Technology Development Biomass Energy Foundation

Plant signalling has emerged as an integrated field which has become indispensable in recent times to study any biological process. Over the last decade, an enormous amount of information has been generated in this field and the advances in information technology gave birth to bioinformatics which has helped greatly in managing the galaxy of information. It is now possible to view the different information's in a systems biology approach which has unravelled the association/ new processes and thus helped us enormously in understanding of the biological processes. The present book is an attempt at understanding the plant signalling processes with different perspectives. Even though the plants are sessile but there exists a tremendous interconnected network of perception at morphological, physiological and molecular levels. The impact of the surrounding environment in terms of abiotic and biotic stresses is significant in terms of its survival, adaptation and productivity for the human welfare. The plants possess a wide array of processes at the organ, tissue and cellular levels which are governed by a plethora of molecules. The molecules govern individual processes and these exists a cross talk between them to form a complex network of processes. The book tries to envision how different processes are operating at different points in the life cycle of the plant.

Making Choices about Hydrogen Springer Nature

Geochemistry includes new contributions to the field of granite rocks geochemistry, mineralogy, petrology and microstructure studies, geochemistry of radioactive isotopes, and geochronology. It contains detailed geochemical, mineralogical, petrological, sedimentological and geostructural studies from Europa, Asia, Africa, South America and Australia Chapters present geochemical exploration methods, isotopic studies, and macro- and microstructural analyses.

DB2 9 for z/OS and Storage Management Springer

Hi-fi News & Record ReviewPinpointerAmerica

BuyAudioPhosphorus: Polluter and Resource of the FutureIWA Publishing

Phosphorus: Polluter and Resource of the Future IBM Redbooks

This book has been planned and written by Dr. Hine with his knowledge and experience in electrochemical science and engineering for over thirty years since he joined with me at Kyoto University in 1948. This book is unique and is useful for engineers as well as scientists who are going to work in any interdisciplinary field connected with electrochemistry. Science is sure to clarify the truth of nature as well as bring prosperity and an improvement to the welfare of human beings. The origin of the word "science" is the same as of "conscience," which means the truth of our heart. When we consider a scientific and technological subject, first we classify it into the components and/or factors involved, and then we clarify them individually. Second, we combine them to grasp the whole meaning and feature of the subject under discussion. Computers may help us greatly, but how to establish the software that will be most desirable for our purposes is of great importance. We need to make these efforts ourselves, and not decorate with borrowed plumes. With this concept in mind, this book is attractive because the author describes the basic science in electrochemistry and practice, and discusses the electrochemical engineering applications as a combination of science and technology.

IBM FileNet P8 Platform and Architecture Springer Science & Business Media

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact.

IBM Information Infrastructure Solutions Handbook Garland Science

Since the mid-1990s, the emergence of a hydrogen economy and the speed with which it will arrive have been vigorously debated. As a disruptive technology, dominant designs for the production, storage and distribution of hydrogen have not yet been established. Neither have performance characteristics been achieved to compete with the existing combustion engine, though the efficiency and durability of hydrogen fuel cells are improving. This publication highlights the uncertainties involved in making choices about hydrogen and fuel cells in planning the development policies on national energy, environment and transport sector.--Publisher's description.

Gas Turbines for Electric Power Generation IBM Redbooks Concise, practical, and based on the best available research, *Essentials of Organizational Behavior: An Evidence-Based Approach*, Second Edition equips students with the necessary skills to become effective leaders and managers. Author Terri A.

Scandura uses an evidence-based approach to introduce students to new models proven to enhance the well-being, motivation, and productivity of people in the work place. Experiential exercises, self-assessments, and a variety of real-world cases and examples provide students with ample opportunity to apply OB concepts and hone their critical thinking abilities. New to this Edition A new Emotions and Moods chapter delves into important topics like emotional intelligence, emotional contagion, and affective neuroscience. A new Power and Politics chapter unpacks the most effective influence strategies and helps students develop their political skills. A streamlined table of contents now combines perception and decision making in a single chapter and change and stress in a single chapter. New case studies, including some from SAGE Business Cases for the Interactive eBook, on topics such as virtual teams, equal pay and the gender wage gap, and the use of apps at work introduce timely and relevant discussions to help foster student engagement. The new edition has been rigorously updated with the latest research throughout and includes expanded coverage of Machiavellian leadership, ethical decision making, and organizational design through change. New Best Practices and Research in Action boxes as well as new Toolkit Activities and Self-Assessments have been added to make the text even more hands-on and practical.

Asian Shipping Springer

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

Handbook of Biomass Downdraft Gasifier Engine Systems

IBM Redbooks

This report examines the role of rare earth metals and other

materials in the clean energy economy. It was prepared by the U.S. Department of Energy (DoE) based on data collected and research performed during 2010. In the report, DoE describes plans to: (1) develop its first integrated research agenda addressing critical materials, building on three technical workshops convened by the DoE during November and December 2010; (2) strengthen its capacity for information-gathering on this topic; and (3) work closely with international partners, including Japan and Europe, to reduce vulnerability to supply disruptions and address critical material needs. Charts and tables. This is a print on demand report.

Japan English Publications in Print Cambridge University Press

This volume focuses on pharmaceutical biotechnology as a key area of life sciences. The complete range of concepts, processes and technologies of biotechnology is applied in modern industrial pharmaceutical research, development and production. The results of genome sequencing and studies of biological-genetic function are combined with chemical, micro-electronic and microsystem technology to produce medical devices and diagnostic biochips. A multitude of biologically active molecules is expanded by additional novel structures created with newly arranged gene clusters and bio-catalytic chemical processes. New organisational structures in the co-operation of institutes, companies and networks enable faster knowledge and product development and immediate application of the results of research and process development. This book is the ideal source of information for scientists and engineers in research and development, for decision-makers in biotech, pharma and chemical corporations, as well as for research institutes, but also for founders of biotech companies and people working for venture capital corporations.

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