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Solid State Physics - Adrianus J. Dekker 1969

The Times of India Directory and Year Book Including Who's who - Sir Stanley Reed 1956

American Men and Women of Science - 1992
"Continues to be the standard reference tool in its field."--BOOKLIST. "...the prime reference in the field..."--REFERENCE & RESEARCH

BOOK NEWS. Your most authoritative resource for information on over 125,000 leading U.S. & Canadian scientists & engineers, the new 18th edition of this prestigious multi-volume directory has been extensively updated with more than 65 percent new or substantially revised entries. Ranging across ten major disciplines & 171 National Science Foundation subdisciplines, it identifies & profiles leading experts in all the physical, biological & related sciences - from Acoustics to Zoology. What's more, its Discipline Index makes it easy to locate the leading authorities in each field. All figures selected for inclusion have established exceptional scientific credentials - through experience & training, distinguished research, or selection to a post of recognized responsibility. Their entries include such vital background details as birthplace & date, field of expertise, education, experience, concurrent positions, honors & awards, research focus, professional memberships & mailing address. For 85 years AMERICAN MEN & WOMEN OF SCIENCE has been indispensable to scientists, research administrators, consulting firms, government agencies, publishers, journalists & college & university administrators researching North America's most accomplished scientific authorities. Now more than ever, the new 18th Edition continues that great tradition. Published triennially.

Let Us C - Yashavant P. Kanetkar 2004-11-01

Year Book ... - Institute of Radio Engineers 1949

World Directory of Crystallographers and of Other Scientists Employing Crystallographic Methods - 1997

Western Political Thought Amal Kumar Mukhopadhyay 2020-03

From Plato to post-Second

World War British and American political thinkers, this textbook covers the entire range of Western political thoughts. This book thoroughly discusses the historical background of the ideas of political thinkers. For each political philosopher, the author has described the philosophy in detail, followed by an unbiased evaluation at the end of the chapter.Western Political Thought will meet the needs of the students of political science, history, philosophy and sociology. It will appeal to the students who have no previous exposure to the subject as the chapters require no previous understanding of the thinkers and their works. It will also serve as a useful and steady companion for UGC NET and UPSC aspirants.Key Features: * Critical analysis of the philosophy of each of the thinkers in light of its applicability and effect on modern political tradition * Elaborate discussion of the history of the period that served as a background of the political ideas * Comprehensive study, based mostly on original texts rather than second references * Each chapter aided by self-test review questions to assess critical understanding of the topics

Who's Who in Science and Engineering 2008-2009 Marquis Who's Who, Inc. 2007-12

Advanced Microfluidics Based Point-of-care Diagnostics Raju Khan 2022

"This book provides a well-focused and comprehensive overview of novel technologies involved in advanced microfluidics based diagnosis via various types of prognostic and diagnostic biomarkers. Moreover, i also contains detailed descriptions on the diagnosis of novel techniques"--

Green Nanomaterials - Kaushik Pal 2022-02-17

Recent technological advancements in green nanotechnology have opened a brand-new avenue for research and development in the field of medicinal plant-mediated nanoparticles, biopolymers,

biotechnology, and antimicrobial and biomedical research. This new volume explores several eco-friendly technologies in green materials synthesis, which are of considerable importance. It takes an inter- and cross-multidisciplinary approach to the green chemistry of nanoengineering and green nanotechnology application in materials research. It provides informative coverage of this exciting and dynamic new field as well as relates the fundamentals of soft-nanomaterials fabrication and spectroscopic integration. The book explores bio-inspired self-assembly green nanomaterials for multifunctional applications as well as the design and synthesis of green polymeric nanomaterials for several pharmaceutical and biomedical applications, including biosensors, drug delivery, antimicrobial applications, etc. Also discussed is the fabrication of green polymer nanocomposites from waste and natural fibers, such as chitin fiber, chitin whisker fiber, cellulose fiber, nanocellulose fiber, eggshells, and cotton waste.

Eminent Indian Psychologists - Braj Bhushan 2017-08-28

Eminent Indian Psychologists: 100 years of Psychology in India presents a chronology of important research and noteworthy events in the field of Psychology in the last hundred years. Psychology as a discipline was first introduced in this country in 1916–in the University of Calcutta. In 2016 the hundred-year milestone was reached. Prominent psychologists of our times have documented this hundred-year journey and its highlights in this book. The book also chronicles the lives and work of eminent Indian psychologists, who helped make Psychology practice and research what it is today. Their contributions – research articles, monographs, books, etc.–have been listed and summarized. Some of this scholarship influenced psychologists all over the world. The book takes a retrospective look at the

development of Psychology and discusses the contribution of Indian institutions and experts.

Political Sociology - Amal K. Mukhopadhyay 1977-05-01

World Directory of Crystallographers - Yves Epelboin 2013-04-17

The 10th edition of the World Directory of Crystallographers and of Other Scientists Employing Crystallographic Methods is a revised and up-to-date edition of the World Directory and contains the current addresses, academic status and research interests of over 8000 scientists in 74 countries. It is produced directly from the regularly updated electronic World Directory database, which is accessible via the World-Wide Web. Full details of the database are given in an Annex to the printed edition.

Green Methods for Wastewater Treatment - Mu. Naushad 2019-06-26

This book presents comprehensive chapters on the latest research and applications in wastewater treatment using green technologies. Topics include mesoporous materials, TiO2 nanocomposites and magnetic nanoparticles, the role of catalysts, treatment methods such as photo-Fenton, photocatalysis, electrochemistry and adsorption, and anti-bacterial solutions. This book will be useful for chemical engineers, environmental scientists, analytical chemists, materials scientists and researchers.

Colloids - Mohamed Nageeb Rashed 2021-09-08

Colloids are submicron particles that are ubiquitous in both natural and industrial products. Colloids and colloidal systems play a significant role in human health as well as commercial and industrial situations. Colloids have important applications in medicine, sewage disposal, water purification, mining, photography, electroplating, agriculture, and more.This book gathers recent research from experts in the field of colloids and discusses several aspects of colloid morphology,

synthesis, and applications. The book is divided into three sections that cover different techniques for the synthesis of colloids, the structure, dynamic and stability of colloids, and applications of colloidal particles, respectively.

Bionanocomposites in Tissue Engineering and Regenerative Medicine - Shakeel Ahmed 2021-06-03

Bionanocomposites in Tissue Engineering and Regenerative Medicine explores novel uses of these in tissue engineering and regenerative medicine. This book offers an interdisplinary approach, combining chemical, biomedical engineering, materials science and pharmacological aspects of the characterization, synthesis and application of bionanocomposites. Chapters cover a broad selection of bionanocomposites including chitosan, alginate and more, which are utilized in tissue engineering, wound healing, bone repair, drug formulation, cancer therapy, drug delivery, cartilage regeneration and dental implants. Additional sections of Bionanocomposites in Tissue Engineering and Regenerative Medicine discuss, in detail, the safety aspects and circular economy of bionanocomposites – offering an insight into the commercial and industrial aspects of these important materials. Bionanocomposites in Tissue Engineering and Regenerative Medicine will prove a highly useful text for for those in the fields of biomedical engineering, chemistry, pharmaceutics and materials science, both in academia and industrial R&D groups. Each bionanocomposite type is covered individually, providing specific and detailed information for each material Covers a range of tissue engineering and regenerative medicine applications, from dental and bone engineering to cancer therapy Offers an integrated approach, with contributions from authors across a variety of related disciplines, including biomedical engineering, chemistry and materials

science

Indian and Pakistan Year Book and Who's who - Sir Stanley Reed 1961

Issues for 1919-47 include Who's who in India; 1948, Who's who in India and Pakistan.

Advanced Plant Taxonomy - A.K. Mondal 2009

Applications of Calorimetry in a Wide Context - Amal Ali Elkordy 2013-01-23

Calorimetry, as a technique for thermal analysis, has a wide range of applications which are not only limited to studying the thermal characterisation (e.g. melting temperature, denaturation temperature and enthalpy change) of small and large drug molecules, but are also extended to characterisation of fuel, metals and oils. Differential Scanning Calorimetry is used to study the thermal behaviours of drug molecules and excipients by measuring the differential heat flow needed to maintain the temperature difference between the sample and reference cells equal to zero upon heating at a controlled programmed rate. Microcalorimetry is used to study the thermal transition and folding of biological macromolecules in dilute solutions. Microcalorimetry is applied in formulation and stabilisation of therapeutic proteins. This book presents research from all over the world on the applications of calorimetry on both solid and liquid states of materials.

Understanding Thermodynamics - H.C. Van Ness 2012-06-08

Clear treatment of systems and first and second laws of thermodynamics features informal language, vivid and lively examples, and fresh perspectives. Excellent supplement for undergraduate science or engineering class.

Invention by Design - Henry Petroski 1996

Presents case studies of inventions by engineers, explaining how they resolve technical difficulties, and how they make their inventions socially acceptable and economically feasible

Introduction to Nano - Amretashis Sengupta 2015-07-01
This book covers the basics of nanotechnology and provides a solid understanding of the subject. Starting from a brush-up of the basic quantum mechanics and materials science, the book helps to gradually build up understanding of the various effects of quantum confinement, optical-electronic properties of nanoparticles and major nanomaterials. The book covers the various physical, chemical and hybrid methods of nanomaterial synthesis and nanofabrication as well as advanced characterization techniques. It includes chapters on the various applications of nanoscience and nanotechnology. It is written in a simple form, making it useful for students of physical and material sciences.
Advances in Communication Systems and Networks - J. Jayakumari 2020-06-13
This book presents the selected peer-reviewed papers from the International Conference on Communication Systems and Networks (ComNet) 2019. Highlighting the latest findings, ideas, developments and applications in all areas of advanced communication systems and networking, it covers a variety of topics, including next-generation wireless technologies such as 5G, new hardware platforms, antenna design, applications of artificial intelligence (AI), signal processing and optimization techniques. Given its scope, this book can be useful for beginners, researchers and professionals working in wireless communication and networks, and other allied fields.
Advanced Technology for the Conversion of Waste into Fuels and Chemicals - Anish Khan 2021-07-27
Advanced Technology for the Conversion of Waste into Fuels and Chemicals: Volume 1: Biological Processes presents advanced and combined techniques that can be used to convert waste to energy, including combustion, gasification, paralysis,

anaerobic digestion and fermentation. The book focuses on solid waste conversion to fuel and energy and presents the latest advances in the design, manufacture, and application of conversion technologies. Contributors from the fields of physics, chemistry, metallurgy, engineering and manufacturing present a truly trans-disciplinary picture of the field. Chapters cover important aspects surrounding the conversion of solid waste into fuel and chemicals, describing how valuable energy can be recouped from various waste materials. As huge volumes of solid waste are produced globally while huge amounts of energy are produced from fossil fuels, the technologies described in this comprehensive book provide the information necessary to pursue clean, sustainable power from waste material. Presents the latest advances in waste to energy techniques for converting solid waste to valuable fuel and energy Brings together contributors from physics, chemistry, metallurgy, engineering and the manufacturing industry Includes advanced techniques such as combustion, gasification, paralysis, anaerobic digestion and fermentation Goes far beyond municipal waste, including discussions on recouping valuable energy from a variety of industrial waste materials Describes how waste to energy technologies present an enormous opportunity for clean, sustainable energy

Emerging Research on Applied Fuzzy Sets and Intuitionistic Fuzzy Matrices - Adak, Amal Kumar 2016-11-17

The use of fuzzy logic has become prominent in a variety of fields and applications. By implementing these logic sets, problems and uncertainties are more effectively resolved. Emerging Research on Applied Fuzzy Sets and Intuitionistic Fuzzy Matrices is a pivotal reference source for the latest scholarly perspectives on the interdisciplinary use of fuzzy logic theory, focusing on the application of sets and

matrices. Highlighting theoretical framework and empirical research findings, this book is ideally designed for academics, practitioners, upper-level students, and professionals interested in an innovative overview of fuzzy logic sets and matrices.

Indian National Bibliography B. S. Kesavan 2009-05

Geochemistry - Tariq A. Altalhi 2021-03-17

This book aims to explore basic principles, concepts and applications of geochemistry. Topics include chemical weathering, impacts on living beings and water, geochemical cycles, oxidation and redox reactions in geochemistry, isotopes, analytical techniques, medicinal, inorganic, marine, atmospheric, and environmental applications, as well as case studies. This book helps in understanding the chemical composition of the earth and its applications. It also includes beneficial effects, bottlenecks, solutions, and future directions in geochemistry.

The New Year Book - Jnanranjan Guha Thakurta 1969

Quantum Reality and Theory of Śūnya - Siddheshwar Rameshwar Bhatt 2019-03-30

The book deals with expounding the nature of Reality as it is understood in contemporary times in Quantum Physics. It also explains the classical Indian theory of Śūnya in its diverse facets. Thereafter it undertakes comparison between the two which is an area of great topical interest. It is a cross-disciplinary study by erudite Indian and western scholars between traditional Indian knowledge system and contemporary researches in Physical sciences. It points out how the theory of 'Śūnyatā has many seminal ideas and theories in common with contemporary Quantum Physics. The learned authors have tried to dissolve the "mysteries" of Quantum Physics and resolved its "weird paradoxes" with the help of theory of Śūnyatā. The issue of

non-separability or entanglement has been approached with the help of the Buddhist theory of Pratītyasamutpāda. The paradoxical situation of “wave-particle duality” has been explained with the help of Upaniṣadic theory of complementarity of the two opposites. The measurement problem represented by “Schrodinger’s cat” has been dealt with by resorting to two forms of the calculation of probabilities. Some writers have argued for Śūnyatā-like non-essentialist position to understand quantum reality. To make sense of quantum theory some papers provide a happy symbiosis of technical understanding and personal meditative experience by drawing multifarious parallels. This book will be of interest to philosophically inclined physicists and philosophers with interest in quantum mechanics.

An Introduction to Political Theory - Amal Kumar Mukhopadhyay 2019-06-27

A precise, analytical and critical account of the fundamentals of political theory and the major concepts used in political analysis. This book offers an introduction to major political theories for the first learners of political science at the graduate level as well as those interested in building a strong groundwork of the subject. It cites Indian and global examples and discusses real-life applications of these theories to make the theories and concepts relatable and approachable. The book offers a compact overview of the concepts of state, society, civil society, justice, law, freedom, equality and others along with critical discussions on premier political ideologies of Marxism, Liberalism, Anarchism, Fascism, Gandhism and much more. Enriched by the author’s long-term experience in research and teaching on the subject, this textbook will prove to be an essential companion for students of political science, sociology and social work as well as Civil Services aspirants. Key Features: • Special focus

on Indian political theory and the course of its development. • Encourages the readers to ponder and debate further. • Presents a practical perspective, by contextualizing the theories within real-life situations.

Indian Books in Print - 2003

American Men & Women of Science - 1989

BEPI - 1980

International Books in Print - 1997

Introduction to the Theory of Ferromagnetism - Amikam Aharoni 2000

The emphasis of this second edition is on introducing the foundations of the different subfields, highlighting the direction and tendency of the most recent research. New to this edition is updated material on the nucleation problem and numerical micromagnetics. This book is suitable for first-year graduate and advanced undergraduate students in physics and engineering as well as for practicing engineers and experimental physicists who work in the field of magnetism and need an excellent reference book.

Publisher's Monthly - 1995

Practical RF Amplifier Design and Performance Optimization with SPICE and Load- and Source-pull Techniques - Amal Banerjee 2021-03-01

This book explains and demonstrates with an exhaustive set of design examples, how common types of radio frequency(RF) amplifiers (classes A, B, AB, C, D, E, F, G and H) can be designed, and then have their performance characteristics evaluated and optimized with SPICE. The author demonstrates the transient analysis features of SPICE, along with industry-standard load- and source-pull techniques to simulate the steady-state, long-term time-domain behavior of any test RF amplifier.· Describes methods for designing and evaluating/optimizing the

performance characteristics of an RF amplifier that circumvent the issues involved with existing, traditional methods and don't require expensive, high-end software tools;· Includes C language executables for each RF amplifier type, eliminating errors that might creep in while computing passive component (capacitor, inductor, resistor) values for a given RF amplifier type;· Demonstrates industry-standard load- and source-pull schemes that can be included easily in text SPICE netlists, allowing accurate calculation of impedance matching and impedance values at the input and output ports of the test RF amplifier, eliminating messy, error-prone S parameter based calculations.

University of California Union Catalog of Monographs Cataloged by the Nine Campuses from 1963 Through 1967: Authors & titles - University of California (System). Institute of Library Research 1972

Basic Solid State Physics - Dr. Arunkumar Raychaudhuri 2014-04-01

Concepts of Semiconductor Photocatalysis - Mohammed Muzibur Rahman 2019-12-18 This book "Concepts of Semiconductor Photocatalysis" contains recent research on the preparation, characterization, and potential applications of the semiconductor photocatalyst. This research is promising and has received a lot of interest in the last few decades. The book covers advanced topics on the optical, physical, structural, and electro-catalysis and photo-catalysis applications. Development of new and noble efficient technology is pointing researchers toward the safe, facile, non-toxic, eco-friendly route of synthesis-to-applications, which can be used for manufacture at a large scale. This book presents an overview of the current photocatalyst fundamental theory, substantial applications, and use of the research worldwide. It is an

important book for research organizations, government research-centers, academic libraries, and R