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Engineering Science-William Bolton 2016-01-29 Engineering Science, Second Edition provides a comprehensive discussion of the fundamental concepts in engineering. The book is comprised of 16 chapters that provide the theories and applications of different engineering concepts. The coverage of the text includes statics (equilibrium and structures), dynamics (motions and vibrations), and energy and thermal systems. The book also discusses electrical circuits, including direct and alternating current circuits, and electric and magnetic fields, including electromagnetism. The text will be useful to students of the various branches of engineering, such as mechanical, electrical, and civil.

Advanced Photon Counting-Peter Kapusta 2015-04-23 This volume focuses on Time-Correlated Single Photon Counting (TCSPC), a powerful tool allowing luminescence lifetime measurements to be made with high temporal resolution, even on single molecules. Combining spectrum and lifetime provides a "fingerprint" for identifying such molecules in the presence of a background. Used together with confocal detection, this permits single-molecule spectroscopy and microscopy in addition to ensemble measurements, opening up an enormous range of hot life science applications such as fluorescence lifetime imaging (FLIM) and measurement of Förster Resonant Energy Transfer (FRET) for the investigation of protein folding and interaction. Several technology-related chapters present both the basics and current state-of-the-art, in particular of TCSPC electronics, photon detectors and lasers. The remaining chapters cover a broad range of applications and methodologies for experiments and data analysis, including the life sciences, defect centers in diamonds, super-resolution microscopy, and optical tomography. The chapters detailing new options arising from the combination of classic TCSPC and fluorescence lifetime with methods based on intensity fluctuation represent a particularly unique highlight.

Elements of Fiction Writing - Conflict and Suspense-James Scott Bell 2011-12-15 Ramp up the tension and keep your readers hooked! Inside you'll find everything you need to know to spice up your story, move your plot forward, and keep your readers turning pages. Expert thriller author and writing instructor James Scott Bell shows you how to craft scenes, create characters, and develop storylines that harness conflict and suspense to carry your story from the first word to the last. Learn from examples of successful novels and movies as you transform your work from ho-hum to high-tension. • Pack the beginning, middle, and end of your book with the right amount of conflict. • Tap into the suspenseful power of each character's inner conflict. • Build conflict into your story's point of view. • Balance subplots, flashbacks, and backstory to keep your story moving forward. • Maximize the tension in your characters' dialogue. • Amp up the suspense when you revise. Conflict & Suspense offers proven techniques that help you craft fiction your readers won't be able to put down.

Engineering Applications of Pneumatics and Hydraulics-Ian C Turner 2014-02-04 Assuming only the most basic knowledge of the physics of fluids, this book aims to equip the reader with a sound understanding of fluid power systems and their uses in practical engineering. In line with the strongly practical bias of the book, maintenance and trouble-shooting are covered, with particular emphasis on safety systems and regulations.

Introduction to Health Services Management-S. W. Booyens 2008 Ideal for all students studying first-level health services management, this invaluable all-in-one resource describes the environmental factors that affect health services, policy, and planning; the organization of services at the macro and micro level; and other issues such as staff absenteeism and management.

Emory as Place-Gary S. Hauk 2019-08-01 Universities are more than engines propelling us into a bold new future. They are also living history. A college campus serves as a repository for the memories of countless students, staff, and faculty who have passed through its halls. The history of a university resides not just in its archives but also in the place itself—the walkways and bridges, the libraries and classrooms, the gardens and creeks winding their way across campus. To think of Emory as place, as Hauk invites you to do, is not only to consider its geography and its architecture (the lay of the land and the built-up spaces its people inhabit) but also to imagine how the external, constructed world can cultivate an internal world of wonder and purpose and responsibility—in short, how a landscape creates meaning. Emory as Place offers physical, though mute, evidence of how landscape and population have shaped each other over decades of debate about architecture, curriculum, and resources. More than that, the physical development of the place mirrors the university's awareness of itself as an arena of tension between the past and the future—even between the past and the present, between what the university has been and what it now purports or intends to be, through its spaces. Most of all, thinking of Emory as place suggests a way to get at the core meaning of an institution as large, diverse, complex, and tentacled as a modern research university.

Pause, The-John Larkin 2015-04 Declan seems to have it all: a family that loves him, friends he's known for years, a beautiful girlfriend he would go to the ends of the earth for. But there's something in Declan's past that just won't go away, that pokes and scratches at his thoughts when he's at his most vulnerable. Declan feels as if nothing will take away that pain that he has buried deep inside for so long. So he makes the only decision he thinks he has left: the decision to end it all. Or does he? As the train approaches and Declan teeters at the edge of the platform, two versions of his life are revealed. In one, Declan watches as his body is destroyed and the lives of those who loved him unravel. In the other, Declan pauses before he jumps. And this makes all the difference. One moment. One pause. One whole new life.

Engineering Science N4-Rousseau 1994-12

Decoding Theorypeak-Enn Ots 2010-09-20 Existentialism; Urbanism; Aporia; Deontic; Tabula Rasa; Hyperspace; Heterotopia; Metareality; Structuralism... What does it all mean? The unique language used in architectural theory - both in speech and writing - can appear daunting and confusing, particularly to new architectural students. Decoding Theorypeak provides an accessible guide to the specialized language of contemporary design for the next generation of thinkers, architects and design leaders. It includes: definitions of over 200 terms clear cross-references illustrations throughout. It is an essential pocket-sized resource for students and practitioners alike.

Make Your Life Great-Richard Bandler 2009-12-01 From one of the greatest innovators in the field of personal growth comes bold new insights and hypnosis techniques to achieve lasting freedom from negative habits, thoughts, and beliefs.

Return from the Natives-Peter Mandler 2013-05-07 Part intellectual biography, part cultural history and part history of human sciences, this fascinating volume follows renowned anthropologist Margaret Mead and her colleagues as they showed that anthropology could tackle the psychology of the most complex, modern societies in ways useful for waging the Second World War.

Food and Beverage Service, 10th Edition-John Cousins 2020-08-28 This revised and updated edition of our bestselling and internationally respected title is the essential reference source for trainers, practitioners and anyone working towards professional qualifications in food and beverage service. - Covers contemporary trends and issues in food and beverage service and offers broad and in-depth coverage of key concepts, skills and knowledge, with developed focus on the international nature of the hospitality industry. - Supports students in gaining a comprehensive overview of the industry, from personal skills, service areas and equipment, menus and menu knowledge, beverages and service techniques, to specialised forms of service, events and supervisory aspects. - Supports a range of professional qualifications as well as in-company training programmes. - Aids visual learners with over 250 photographs and illustrations demonstrating current service conventions and techniques.

Archispeak-Tom Porter 2004-08-02 Widely used in architectural circles in the heat of discussion, the recurrent use of particular words and terms has evolved into a language of design jargon. Commonly found in architectural literature and journalism, in critical design debate and especially in student project reviews, Archispeak can seem insular and perplexing to others and -- particularly to the new architectural student -- often incomprehensible. There is a need to translate architectural design concepts into spoken and written commentary -- each word in use embodying a precise and universally accepted architectural meaning. If we explore the vocabulary of this language we gain insight into good design practice and into collective understanding of what constitutes a refined architecture. This unique illustrated guide will help students understand the nuances of this specialized language and help them in communicating their own design ideas.

The Ketosis Diet-Amy Zulpa 2014-09-22 Are you an athlete seeking to improve performance and lose weight? An ordinary citizen wanting to improve Type 2 diabetes, obesity or cardiovascular conditions? "The Ketosis Diet - Ketogenic Diet Tips Made Simple" may provide the introduction you need. In simple, straight-

forward language, author Amy Zulpa explains what it is, the various types of ketogenic diet, and who should benefit from it. She also includes a handy range of recipes for breakfast, lunch and dinner. Not many people are familiar with the Ketosis diet (Ketogenic diet) as it is promoted far less than the fad diets are. It's also a little different, as it focuses on the consumption of high fats and a reasonable amount of protein with less focus on the consumption of carbohydrates. This diet was primarily geared to treat epilepsy in children, but over the years it has been found to benefit a number of other conditions. The main aim is to get the body to burn fats and not carbohydrates. As more fats are consumed, the body breaks them down into ketones and fatty acids which are used as energy. This burning of fats helps to trigger the weight loss process. The author explains all of this and more in the text, providing adequate definitions where they are needed as well as some great recipes to get you started.

Biomechanics in Oncology-Cheng Dong 2018-10-27 This book covers multi-scale biomechanics for oncology, ranging from cells and tissues to whole organ. Topics covered include, but not limited to, biomaterials in mechano-oncology, non-invasive imaging techniques, mechanical models of cell migration, cancer cell mechanics, and platelet-based drug delivery for cancer applications. This is an ideal book for graduate students, biomedical engineers, and researchers in the field of mechanobiology and oncology. This book also: Describes how mechanical properties of cancer cells, the extracellular matrix, tumor microenvironment and immuno-editing, and fluid flow dynamics contribute to tumor progression and the metastatic process Provides the latest research on non-invasive imaging, including traction force microscopy and Brillouin confocal microscopy Includes insight into NCIs' role in supporting biomechanics in oncology research Details how biomaterials in mechano-oncology can be used as a means to tune materials to study cancer

What Would the Buddha Recycle?-Rosemary Roberts 2009-03-18 If the Buddha were alive today, he'd be the living embodiment of green living. He'd be collecting cans on the freeway, riding his bike to work, and replacing all his light bulbs one little satori at a time. In this book you can channel His Holiness, reduce your footprint, and experience little Aha! moments when you Eat mindfully and lose the meat Make a Zen garden that nourishes the earth Choose sustainable clothing Meditate while walking instead of driving Let go of attachment to things by giving away belongings Living green is living Zen. Now you can take right action and walk a green talk, starting today just think how proud the Buddha would be!

Soft Condensed Matter Physics in Molecular and Cell Biology-W.C.K. Poon 2006-01-13 Soft condensed matter physics, which emerged as a distinct branch of physics in the 1990s, studies complex fluids: liquids in which structures with length scale between the molecular and the macroscopic exist. Polymers, liquid crystals, surfactant solutions, and colloids fall into this category. Physicists deal with properties of soft matter systems that are generic and largely independent of chemical details. They are especially fascinated by the way soft matter systems can harness Brownian motion to self-assemble into higher-order structures. Exploring the generic properties of soft matter offers insights into many fundamental questions that cut across a number of disciplines. Although many of these apply to materials and industrial applications, the focus of this volume is on their applications in molecular and cell biology based on the realization that biology is soft matter come alive. The chapters in Soft Condensed Matter Physics in Molecular and Cell Biology originated as lectures in the NATO Advanced Science Institute (ASI) and Scottish Universities Summer Schools in Physics with the same name; they represent the thinking of seventeen experts operating at the cutting edge of their respective fields. The book provides a thorough grounding in the fundamental physics of soft matter and then explores its application with regard to the three important classes of biomacromolecules: proteins, DNA, and lipids, as well as to aspects of the biology of cells. The final section of the book considers experimental techniques, covering single molecule force spectroscopy of proteins, the use of optical tweezers, along with X-ray, neutron, and light scattering from solutions. While this work presents fundamentals that make it a suitable text for graduate students in physics, it also offers valuable insights for established soft condensed matter physicists seeking to contribute to biology, and for biologists wanting to understand what the latest thinking in soft matter physics may be able to contribute to their discipline.

Otology and Neurotology-Milind V. Kirtane 2013-05-15 Otology and Neurotology provides guidance on the clinical and practical management of diseases of the ear and lateral skull base. It discusses the latest techniques and technologies that encompass the complex nature of the specialty. Topics important to the otologist and neurotologist, such as chronic ear disease, cochlear and brainstem implants, robotic surgery, and many others, are covered by experts in their fields. This book is an invaluable reference for residents, fellows, allied health professionals, comprehensive otolaryngologists, otologists, neurotologists, and skull base surgeons. Key Features: Applied anatomy and physiology of the ear and lateral skull base Evidence-based approach to diseases of the ear and lateral skull base Practical presentation of cutting-edge concepts in otology and neurotology The contributors to this volume are internationally recognized experts in otology, neurotology, and lateral skull base surgery.

EDA for IC Implementation, Circuit Design, and Process Technology-Luciano Lavagno 2018-10-03 Presenting a comprehensive overview of the design automation algorithms, tools, and methodologies used to design integrated circuits, the Electronic Design Automation for Integrated Circuits Handbook is available in two volumes. The second volume, EDA for IC Implementation, Circuit Design, and Process Technology, thoroughly examines real-time logic to GDSII (a file format used to transfer data of semiconductor physical layout), analog/mixed signal design, physical verification, and technology CAD (TCAD). Chapters contributed by leading experts authoritatively discuss design for manufacturability at the nanoscale, power supply network design and analysis, design modeling, and much more. Save on the complete set.

Entrepreneurship and Business Management-Ralph Borsella 2016-05-31 Globalization has fueled the growth of entrepreneurship. Starting a new venture involves risk taking as well as capital investment. This book delves into all the varied aspects of entrepreneurship. The impact of economic policies, finances, opportunity and capacity are some of the topics covered in this text. It will prove beneficial to students, scholars, professionals, aspiring entrepreneurs, etc. C.D.S. Mathematics-Dr. H. B. Pandey

Joining the Conversation-Mike Palmquist 2010-01-20 With the success of The Bedford Researcher, Mike Palmquist has earned a devoted following of teachers and students who appreciate his accessible approach to the process of inquiry-based writing. Now he brings his proven methodology and friendly tone to Joining the Conversation. While students may know how to send text messages, search for images, and read the news online all at the same time, they don't necessarily know how to juggle the skills they need to engage readers and compose a meaningful contribution to an academic conversation. Meeting students where they are — working online and collaboratively — Joining the Conversation embraces the new realities of writing, without sacrificing the support that students need as they write for college and beyond.

The Complete Hammer's Slammers: Volume 3-David Drake 2010-11-01 This three volume set presents for the first time the genre-defining Slammers series in a uniform hardcover set. This volume features the final two Slammers novels, The Sharp End and Paying the Piper, as well as an original novelette, The Darkness. This volume will feature an introduction by Barry Malzberg. At the publisher's request, this title is sold without DRM (Digital Rights Management).

Handbook IMCI-World Health Organization. Department of Child and Adolescent Health and Development 2005 This handbook gives a detailed explanation of the WHO/UNICEF guidelines for the integrated management of childhood illness (IMCI). The guidelines set out simple and effective methods for the prevention and management of the leading causes of serious illness and mortality in young children. They promote evidence-based assessment and treatment using a syndromic approach that supports the rational, effective and affordable use of drugs. The handbook gives an overview of the IMCI process and includes technical guidelines to assess and classify a sick young infant aged from one week up to two months, and a sick young child aged two months to five years; as well as guidance on how to identify treatment; communicate and counsel; and give follow-up care.

King Suckerman-George P. Pelecanos 2011-08-15 In the summer of 1976, the nation's capital is gearing up for the Bicentennial. Captain Beefheart's on the eight-track, and the hot new film "King Suckerman" has everyone talking. Two knockaround guys named Clay and Karras are out looking for trouble when they stumble onto a drug deal gone bad and end up with a pile of money that isn't theirs. When the well-armed dealer starts spilling blood to get to the cash, Clay and Karras must take a stand, go straight, and get justice—or maybe just sweet revenge.

Higher Engineering Science-W Bolton 2012-08-21 Higher Engineering Science aims to provide students with an understanding of the scientific principles that underpin the design and operation of modern engineering systems. It builds a sound scientific foundation for further study of electronics, electrical engineering and mechanical engineering. The text is ideal for students, including numerous features designed to aid student learning and put theory into practice: * Worked examples with step-by-step guidance and hints * Highlighted key points, applications and practical activities * Self-check questions included throughout the text * Problems sections with full answers supplied Further worked examples, applications, case studies and assignments have also been incorporated into this second edition. Assuming a minimum of prior knowledge, the book has been written to suit courses with an intake from a range of educational backgrounds. The new edition has been designed specifically to cater for the compulsory core Engineering Science unit for HNC and HND qualifications, and updated throughout to match the syllabus of the new BTEC Higher National Engineering schemes from Edexcel. It will also prove ideal for introductory science modules in degree courses.

Electronic and Electrical Engineering-L. A. A. Warnes 2017-03-14 Electrical and Electronic Engineering provides a foundation for first year undergraduates and HND students in electrical and electronic engineering. It offers exceptional breadth of coverage and detail in a clear and accessible manner. Suitable for specialists and non-specialists, it makes no excessive demands on the reader's mathematical skills. The basics of circuit theory and analysis are covered at the outset, followed by discrete devices and integrated circuits. Electrical machines, power electronics and digital logic circuits are treated thoroughly in a central

group of chapters. Coverage of the essentials of computer architecture and networks is followed by a detailed chapter on microprocessors and microcontrollers. The importance of modern communications technology is reflected in the comprehensive group of chapters devoted to analogue, digital and optical fibre communications systems and telephony. Two concluding chapters deal with the important topic of electromagnetic compatibility and the basics of instrumentation and measurement that are essential for non-specialists. This fully revised third edition of this popular text uses a wealth of practical exercises and examples making it ideal as a teaching resource or a study tool.

Fire Officer- 2010-08-19 The National Fire Protection Association (NFPA) And The International Association Of Fire Chiefs (IAFC) Are Pleased To Bring You The Second Edition Of Fire Officer: Principles And Practice, A Modern Integrated Teaching And Learning System For The Fire Officer I And II Levels. Fire Officers Need To Know How To Make The Transition From Fire Fighter To Leader. Fire Officer: Principles And Practice, Second Edition Is Designed To Help Fire Fighters Make A Smooth Transition To Fire Officer. Covering The Entire Scope Of NFPA 1021, Standard For Fire Officer Professional Qualifications, 2009 Edition, Fire Officer Combines Current Content With Dynamic Features And Interactive Technology To Better Support Instructors And Help Prepare Future Fire Officers For Any Situation That May Arise. Safety Is Principle! The Second Edition Features A Laser-Like Focus On Fire Fighter Safety. Reducing Fire Fighter Injuries And Deaths Requires The Dedicated Efforts Of Every Fire Fighter, Fire Officer, Fire Department, And The Entire Fire Community Working Together. It Is With This Goal In Mind That We Have Integrated The 16 Firefighter Life Safety Initiatives Developed By The National Fallen Firefighters Foundation Into The Text. Likewise, In Each Of The Chapters, Actual National Fire Fighter Near-Miss Reporting System Cases Are Discussed To Drive Home Safety And The Lessons Learned From Those Incidents. Some Of The Guiding Principles Added To The New Edition Include: •Description Of The "Everybody Goes Home" And The National Fire Fighter Near-Miss Reporting System, Including Over A Dozen Company Officer Near-Miss Examples Throughout The Text. •Description Of The IAFC/IAFF Firefighter Safety And Deployment Study. •The Latest Fire Fighter Death And Injury Issues As Reported By The NFPA? National Fallen Firefighters Foundation, IAFC, And IAFF, Including Results Of A Thirty-Year Retrospective Study. •Changes In Fire-Ground Accountability And Rapid Intervention Practices. •Results Of National Institute Of Standards And Technology Research On Wind-Driven Fires, Thermal Imaging Cameras, And Fire Dynamics As Related To Fire Fighter Survival. •The Latest Developments In Crew Resource Management. The Second Edition Also Reflects The Latest Developments In: •Building A Personal Development Plan Through Education, Training, Self-Development, And Experience, Including A Description Of The Fire And Emergency Services Higher Education (FESHE) Program. •The Impact Of Blogs, Video Sharing, And Social Networks. •How To Budget For A Grant. •Changes In The National Response Framework And National Incident Management System. Additional Items Related To Fire Fighter Safety And Health Are Included.

Instrumentation and Control Systems-William Bolton 2004-06-03 In a clear and readable style, Bill Bolton addresses the basic principles of modern instrumentation and control systems, including examples of the latest devices, techniques and applications. Unlike the majority of books in this field, only a minimal prior knowledge of mathematical methods is assumed. The book focuses on providing a comprehensive introduction to the subject, with Laplace presented in a simple and easily accessible form, complimented by an outline of the mathematics that would be required to progress to more advanced levels of study. Taking a highly practical approach, Bill Bolton combines underpinning theory with numerous case studies and applications throughout, to enable the reader to apply the content directly to real-world engineering contexts. Coverage includes smart instrumentation, DAQ, crucial health and safety considerations, and practical issues such as noise reduction, maintenance and testing. An introduction to PLCs and ladder programming is incorporated in the text, as well as new information introducing the various software programmes used for simulation. Problems with a full answer section are also included, to aid the reader's self-assessment and learning, and a companion website (for lecturers only) at <http://textbooks.elsevier.com> features an Instructor's Manual including multiple choice questions, further assignments with detailed solutions, as well as additional teaching resources. The overall approach of this book makes it an ideal text for all introductory level undergraduate courses in control engineering and instrumentation. It is fully in line with latest syllabus requirements, and also covers, in full, the requirements of the Instrumentation & Control Principles and Control Systems & Automation units of the new Higher National Engineering syllabus from Edexcel. * Assumes minimal prior mathematical knowledge, creating a highly accessible student-centred text * Problems, case studies and applications included throughout, with a full set of answers at the back of the book, to aid student learning, and place theory in real-world engineering contexts * Free online lecturer resources featuring supporting notes, multiple-choice tests, lecturer handouts and further assignments and solutions

Production Technology-Hmt 2001-05-01 he book discusses traditional and non-traditional machining methods. For each method, it provides the theory, describes the equipment available, explains the process and gives a large amount of practical data. The traditional metal cutting processes covered are turning, boring, planning, slotting, shaping, drilling, reaming, deep-hole drilling, trepanning, milling practice, broaching, grinding processes, gear cutting practice, thread production, honing, lapping, super finishing and burnishing. The non-traditional processes include EDM, ECM, CHM, USM, AJM, LBM, EBM, PAM and IBM. Over a hundred of the latest ISI and ISO standards related to the processes discussed are included.

Industrial Electronics N3-Johann Kraft 2000

Mass Spectrometry for the Novice-John Greaves 2013-10-16 With usage of mass spectrometry continually expanding, an increasing number of scientists, technicians, students, and physicians are coming into contact with this valuable technique. Mass spectrometry has many uses, both qualitative and quantitative, from analyzing simple gases to environmental contaminants, pharmaceuticals, and complex biopolymers

Daily Language Review-Evan-Moor 2010-01-01 Develop your grade 7 students sentence editing, punctuation, grammar, vocabulary, word study, and reference skills using 180 focused 10- to 15-minute daily activities.

College Algebra and Trigonometry-Louis Leithold 1989-01-01

The Complete Hammer's Slammers-David Drake 2010-02-02 The Second of Three Volumes Collecting the Complete Best-Selling Series That Rocketed David Drake to Military Science Fiction Stardom. This Omni-trade paperback volume collects the first four novles in the series: At Any Price, Counting the Cost, Rolling Hot, and The Warrior-all have been out of print and unavailable for several years.. Neither stainless white knights nor bloodthirsty killers, the Slammers are competent professionals, with recognizable human flaws, engaged in a deadly business. Their interanl conflicts, set against vivid scenes of battle, make their stories exciting and compelling. This is the second of the three volume set presenting for the first time the entire genre-defining Slammers series in uniform Omni-trade paperback volumes, with new introductions by major SF figures and new afterwords by David Drake. Each volume will also include a Slmmers story not collected in previous Slammer's books. "Fans of Drake's edgy stories of a mercenary tank regiment in a future not all that different from our present will rejoice {at the publication of} the entire series in three volumes. Drake, a Vietnam vet who served in the Blackhorse Regiment, use prose as cold and hard as the metal alloy of a tank to portray the men and women of Hammer's Regiment.... In his depiction of combat, Drake rivals Crane and Remarque."

Boilermaking, Level 1-National Center for Construction Education 2000-04 This exceptionally produced trainee guide features a highly illustrated design, technical hints and tips from industry experts, review questions and a whole lot more! Key content includesIntroduction to Boilermaking, Boilermaking Safety, Boilermaking Tools, Basic Materials, Oxyfuel Cutting, Cutting and Fitting Gaskets, Welding Basics. Instructor Supplements Instructors: Product supplements may be ordered directly through OASIS at <http://oasis.pearson.com>. For more information contact your Pearson NCCER/Contren Sales Specialist at <http://nccer.pearsonconstructionbooks.com/store/sales.aspx>. * Instructor's Guide Paperback 0-13-030915-X* Computerized Testing Software 0-13-031157-X * Transparency Masters 0-13-031165

Essentials of Medicinal Chemistry-Andrejus Korolkovas 1988-08-16 This text/reference presents fundamental aspects of medicinal chemistry and contains comprehensive information on approximately 5,000 drugs currently in use, describing their therapeutic uses, their mechanisms of action, and their main side and harmful effects. Employs the latest World Health Organization (WHO) pharmacological classification and provides extensive information for drugs on WHO's latest list of basic or essential pharmaceuticals, including history: chemical, trade and generic names; chemical structure; obtention; physical and chemical properties; mechanisms of action; therapeutic uses; adverse reactions; biotransformation; chemical and pharmacological incompatibilities; bioavailability; dosage; storage; and assay.

The Complete Hammer's Slammers-David Drake 2005-12-01 With a veteran 's eye for the harsh and gritty details of war, David Drake depicts a futuristic analog of Vietnam-era tank combat in his Hammer's Slammers fiction. Upon this tactical foundation, Drake uses historical metaphor to provide a rich and detailed future-history that is both unique and strangely familiar. The characters that make up the Hammer's Regiment are neither cartoon heroes nor propaganda villains; rather they are competent professionals engaged in a deadly business. The inevitable conflicts between policy, necessity, and human nature are often at the forefront of the Slammers narratives, and it is this rich fusion of elements that makes Drake's Slammers fiction instantly identifiable and utterly compelling. The Hammer's Slammers series is some of the most important and influential work in military SF. The Vietnam War made indelible marks on the science fiction genre, and Drake's service with the Blackhorse regiment during the war gives his fiction a unique perspective. It is this perspective that is sometimes lacking in military SF, and one that makes Drake's work so important to the science fiction genre as a whole. This three-volume set collects all the Slammers short fiction and novels into a set of uniform editions, and presents a new, previously uncollected piece of fiction in each volume. This first volume collects the existing short

fiction, along with the background material from the original Slammers collection. The new story in this volume, "A Death in Peacetime," chronicles an important event in the Hammer's Regiment history... an event that has been implied, but never fully explained... until now.

Nanomaterial Interfaces in Biology-Paolo Bergese 2013-08-19 The intersection of nanotechnology with biology has given rise to numerous ideas for new ways to use nanotechnology for biological applications. Nanomaterials possess unique size- and material-dependent properties which make them attractive for improving regular biomedical fields, such as drug delivery, imaging, therapy, and diagnostics. Divided into three convenient sections, Nanomaterial Interfaces in Biology: Methods and Protocols covers protocols describing synthesis, fabrication, and construction of bio-nanomaterial interfaces, characterization protocols of bio-nanomaterial interfaces, and applications which utilize the bio-nanomaterial interfaces. Written in the highly successful Methods in Molecular Biology series format, chapters contain introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and notes on troubleshooting and avoiding known pitfalls. Authoritative and accessible Nanomaterial Interfaces in Biology: Methods and Protocols will serve the new and emerging scientific community, enabling new capabilities and technologies that were not previously possible in medicine and biology.

McGraw-Hill Education Preparation for the GED® Test-McGraw-Hill Education Editors 2014-06-24 Get the guide to the GED test that more test-takers trust! To succeed on the GED test, you need test-smart guidance from educators and test-prep coaches you can rely on. That's why more test-takers choose McGraw-Hill Education: Preparation for the GED Test -- America's favorite guide to the exam. This book will walk you step-by-step through all four test subject areas -- Reasoning Through Language Arts, Mathematical Reasoning, Science, and Social Studies. You'll get the review and practice you need to score your best -- and get the high school credential you want! With McGraw-Hill Education: Preparation for the GED Test, you will: Learn all about the test and how to conquer it Take full-length practice tests modeled closely on the real exam Pinpoint your strengths and weaknesses with pretests to help you focus your study Get ready for each test section with instruction, quizzes, and practice exercises on every test topic Check your readiness for the real exam with posttests in all test subject areas Get prepared for the challenges unique to the computer-based test format McGraw-Hill Education: Preparation for the GED Test can help you sharpen your skills, boost your confidence, reduce your stress -- and do your best on test day.

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