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Sources, Effects and Risks of Ionizing Radiation, United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) 2016 Report United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) 2017-04-25 This report assesses the levels and effects of exposure to ionizing radiation. Scientific findings underpin radiation risk evaluation and international protection standards. This report comprises a report with two underpinning scientific annexes. The first annex recapitulates and clarifies the philosophy of science as well as the scientific knowledge for attributing observed health effects in individuals and populations to radiation exposure, and distinguishes between that and inferring risk to individuals and populations from an exposure. The second annex reviews the latest thinking and approaches to quantifying the uncertainties in assessments of risk from radiation exposure, and illustrates these approaches with application to examples that are highly pertinent to radiation protection.

Practical Spectroscopy Chris Candler 1949

Polymer Data Handbook James E. Mark 2009 This new edition includes better values of properties already reported, properties not reported in time for the earlier edition, and entirely new properties becoming important for modern polymer applications. It also contains 217 total polymers, 20 of which are all-new, particularly in high-technology areas such as electrical conductivity, non-linear optical properties, microlithography, nanophotonics, and electroluminescences. Examples of specific polymers include silsesquoxane ladder polymers, 'foldamer' self-assembling polymers, and block copolymers that phase separate into 'mushrooms', ellipsoids, and sheets with on surface radically different in properties from the other.

Drake's Road Book of the Grand Junction Railway from Birmingham to Liverpool and Manchester active 1825 James Drake 2019-12-04 "Drake's Road Book of the Grand Junction Railway from Birmingham to Liverpool and Manchester" by active 1825 James Drake. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten?or yet undiscovered gems?of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

The Political Unconscious Fredric Jameson 2015-03-03 Fredric Jameson, in *The Political Unconscious*, opposes the view that literary creation can take place in isolation from its political context. He asserts the priority of the political interpretation of literary texts, claiming it to be at the center of all reading and understanding, not just a supplement or auxiliary to other methods current today. Jameson supports his thesis by looking closely at the nature of interpretation. Our understanding, he says, is colored by the concepts and categories that we inherit from our culture's interpretive tradition and that we use to comprehend what we read. How then can the literature of other ages be understood by readers from a present that is culturally so different from the past? Marxism lies at the foundation of Jameson's answer, because it conceives of history as a single collective narrative that links past and present; Marxist literary criticism reveals the unity of that uninterrupted narrative. Jameson applies his interpretive theory to nineteenth- and twentieth-century texts, including the works of Balzac, Gissing, and Conrad. Throughout, he considers other interpretive approaches to the works he discusses, assessing the importance and limitations of methods as different as Lacanian psychoanalysis, semiotics, dialectical analysis, and allegorical readings. The book as a whole raises directly issues that have been only implicit in Jameson's earlier work, namely the relationship between dialectics and structuralism, and the tension between the German and the French aesthetic traditions.

Phonics from A to Z Wiley Blevins 1998 Provides an explanation of phonics, a method of reading instruction that focuses on the relationship between sounds and their spellings, and features over one hundred activities for the classroom, as well as sample lessons, word lists, and teaching strategies.

Medical Eligibility Criteria for Contraceptive Use World Health Organization 2010 Medical Eligibility Criteria for Contraceptive Use reviews the medical eligibility criteria for use of contraception, offering guidance on the safety and use of different methods for women and men with specific characteristics or known medical conditions. The recommendations are based on systematic reviews of available clinical and epidemiological research. It is a companion guideline to Selected Practice Recommendations for Contraceptive Use. Together, these documents are intended to be used by policy-makers, program managers, and the scientific community to support national programs in the preparation of service delivery guidelines. The fourth edition of this useful resource supersedes previous editions, and has been fully updated and expanded. It includes over 86 new recommendations and 165 updates to recommendations in the previous edition. Guidance for populations with special needs is now provided, and a new annex details evidence on drug interactions from concomitant use of antiretroviral therapies and hormonal contraceptives. To assist users familiar with the third edition, new and updated recommendations are highlighted. Everyone involved in providing family planning services and contraception

should have the fourth edition of Medical Eligibility Criteria for Contraceptive Use at hand.

Walden Henry David Thoreau 1882

Byproducts from Agriculture and Fisheries Benjamin K. Simpson 2019-11-04 Ranging from biofuels to building materials, and from cosmetics to pharmaceuticals, the list of products that may be manufactured using discards from farming and fishery operations is extensive. *Byproducts from Agriculture and Fisheries* examines the procedures and technologies involved in this process of reconstitution, taking an environmentally aware approach as it explores the developing role of value-added byproducts in the spheres of food security, waste management, and climate control. An international group of authors contributes engaging and insightful chapters on a wide selection of animal and plant byproducts, discussing the practical business of byproduct recovery within the vital contexts of shifting socio-economic concerns and the emergence of green chemistry. This important text: Covers recent developments, current research, and emerging technologies in the fields of byproduct recovery and utilization Explores potential opportunities for future research and the prospective socioeconomic benefits of green waste management Includes detailed descriptions of procedures for the transformation of the wastes into of value-added food and non-food products With its combination of practical instruction and broader commentary, *Byproducts from Agriculture and Fisheries* offers essential insight and expertise to all students and professionals working in agriculture, environmental science, food science, and any other field concerned with sustainable resources.

A Princeton Companion Alexander Leitch 2015-03-08 In this unusual and unique volume, Alexander Leitch provides a warm, often witty, and always informative reference book on Princeton University. The collection of approximately 400 articles, alphabetically arranged and written by some seventy faculty members and alumni in addition to the author, covers all aspects of Princeton life in the past as well as in the present. Of special interest are the biographies of eminent Princetonians, including the University's presidents, well-known trustees, distinguished deans, famous alumni, and some of Princeton's most prominent and popular professors. Other articles in the book embrace a wide range of topics: histories of academic departments, programs, and research units; descriptions of the honor system, the preceptorial method, the four-course plan, and coeducation; a historical survey of the University's acquisition of land and the development of its campus, together with articles on its principal buildings; pieces on student activities; accounts of alumni activities; articles on athletics; portraits of notable personalities; and commentaries on a host of lighter topics such as the cane spree, beer jackets, the Faculty Song, the proctors, and Veterans of Future Wars. Among the most important articles are one summarizing Woodrow Wilson's Sesquicentennial address, "Princeton in the Nation's Service," and a dozen others recording faculty and alumni achievements toward the goal encompassed by that phrase. Originally published in 1978. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

Naval Science 2 Richard R. Hobbs 2006-05 A Textbook on Maritime History, Leadership, and Nautical Sciences for the NJROTC Student

Review of Research on Modern Problems in Geochemistry International Association of Geochemistry and Cosmochemistry 1979

Style Manual United States. Government Printing Office 1953

Writing the Research Paper Anthony C. Winkler 2003-07 WRITING THE RESEARCH PAPER—now with access to InfoTrac® College Edition—is an easily accessible research guide that can be used by students throughout their college career and beyond.

Science Education Keith S. Taber 2016-12-27 "This book comprises a wide range of scholarly essays introducing readers to key topics and issues in science education. Science education has become a well established field in its own right, with a vast literature, and many active areas of scholarship. *Science Education: An International Course Companion* offers an entry point for students seeking a sound but introductory understanding of the key perspectives and areas of thinking in science education. Each account is self-contained and offers a scholarly and research-informed introduction to a particular topic, theme, or perspective, with both citations to key literature and recommendations for more advanced reading. *Science Education: An International Course Companion* allows readers (such as those preparing for school science teaching, or seeking more advanced specialist qualifications) to obtain a broad familiarity with key issues across the field as well as guiding wider reading about particular topics of interest. The book therefore acts as a reader to support learning across courses in science education internationally. The broad coverage of topics is such that that the book will support students following a diverse range of courses and qualifications. The comprehensive nature of the book will allow course leaders and departments to nominate the book as the key reader to support students – their core 'course companion' in science education."

Ecological Implications of Minilivestock M G Paoletti 2005-01-07 This book provides stimulating and timely suggestions about expanding the world food supply to include a variety of minilivestock. It suggests a wide variety of small animals as nutritious food. These animals include arthropods (insects, earthworms, snails, frogs), and various rodents. The major advantage of minilivestock is that they do not have t

Handbook for Rhizobia Padma Somasegaran 2012-12-06 Rhizobia are bacteria which inhabit the roots of plants in the pea family and "fix" atmospheric nitrogen for plant growth. They are thus of enormous economic importance internationally and the subject of intense research interest. *Handbook for Rhizobia* is a monumental book of practical methods for working with these bacteria and their plant hosts. Topics include the general microbiological properties of rhizobia and their identification, their potential as symbionts, methods for inoculating rhizobia onto plants, and molecular genetics methods for Rhizobium in the laboratory. The book will be invaluable to Rhizobium scientists, soil microbiologists, field and laboratory researchers at agricultural research centers, agronomists, and crop scientists.

Reactive Drug Metabolites Amit S. Kalgutkar 2012-09-06 Closing a gap in the scientific literature, this first comprehensive introduction to the topic is based on current best practice in one of the largest pharmaceutical companies worldwide. The first chapters trace the development of our understanding of drug metabolite toxicity, covering basic concepts and techniques in the process, while the second part details chemical toxicophores that are prone to reactive metabolite formation. This section also reviews the various drug-metabolizing enzymes that can participate in catalyzing reactive metabolite formation, including a discussion of the structure-toxicity relationships for drugs. Two chapters are dedicated to the currently hot topics of herbal constituents and

IADRs. The next part covers current strategies and approaches to evaluate the reactive metabolite potential of new drug candidates, both by predictive and by bioanalytical methods. There then follows an in-depth analysis of the toxicological potential of the top 200 prescription drugs, illustrating the power and the limits of the toxicophore concept, backed by numerous case studies. Finally, a risk-benefit approach to managing the toxicity risk of reactive metabolite-prone drugs is presented. Since the authors carefully develop the knowledge needed, from fundamental considerations to current industry standards, no degree in pharmacology is required to read this book, making it perfect for medicinal chemists without in-depth pharmacology training.

Future State: Justice League Joshua Williamson 2021-06-22 The first Future State collections are here! In the far-flung future, an all-new Justice League must investigate the mysterious death of their greatest foes—the Legion of Doom! The Justice League Dark emerges from years of hiding to fight the villainous force stalking supernatural heroes and villains alike! John Stewart and his band of abandoned Green Lanterns must hold the line against an invasion of murderous zealots in an uncharted dark sector after their rings have stopped working! Barry Allen battles for the soul of his former Flash partner, Wally West! And Jackson Hyde and Andy Curry, son of Black Manta and daughter of Aquaman, must find each other again after being torn apart if they hope to escape the mysterious universe-spanning One Great Ocean!

New Methods of Food Preservation G. W. Gould 2012-12-06

Cultural Techniques Jörg Dünne 2020-08-24 This volume presents the preliminary results of the work carried out by the interdisciplinary cultural techniques research lab at the University of Erfurt. Taking up an impulse from media studies, its contributions examine—from a variety of disciplinary perspectives—the interplay between the formative processes of knowledge and action outlined within the conceptual framework of cultural techniques. Case studies in the fields of history, literary (and media) studies, and the history of science reconstruct seemingly fundamental demarcations such as nature and culture, the human and the nonhuman, and materiality and the symbolical order as the result of concrete practices and operations. These studies reveal that particularly basic operations of spatialization form the very conditions that determine emergence within any cultural order. Ranging from manual and philological "paper work" to practices of opening up and closing off spaces and collective techniques of assembly, these case studies replace the grand narratives of cultural history focusing on micrological examinations of specific constellations between human and nonhuman actors.

Introductory Phonology Bruce Hayes 2011-09-13 Accessible, succinct, and including numerous student-friendly features, this introductory textbook offers an exceptional foundation to the field for those who are coming to it for the first time. Provides an ideal first course book in phonology, written by a renowned phonologist Developed and tested in the classroom through years of experience and use Emphasizes analysis of phonological data, placing this in its scientific context, and explains the relevant methodology Guides students through the larger questions of what phonological patterns reveal about language Includes numerous course-friendly features, including multi-part exercises and annotated suggestions for further reading at the end of each chapter

Mapping Mountains Ernesto Capello 2020-08-25 Mountains appear in the oldest known maps yet their representation has proven a notoriously difficult challenge. Ernesto Capello surveys both the technical history of relief representation and the broad history of the allegorical, commercial and political uses of mapping mountains.

Severe Asthma Kian Fan Chung 2019-06-01 Severe asthma is a form of asthma that responds poorly to currently available medication, and its patients represent those with greatest unmet needs. In the last 10 years, substantial progress has been made in terms of understanding some of the mechanisms that drive severe asthma; there have also been concomitant advances in the recognition of specific molecular phenotypes. This ERS Monograph covers all aspects of severe asthma – epidemiology, diagnosis, mechanisms, treatment and management – but has a particular focus on recent understanding of mechanistic heterogeneity based on an analytic approach using various 'omics platforms applied to clinically well-defined asthma cohorts. How these advances have led to improved management targets is also emphasised. This book brings together the clinical and scientific expertise of those from around the world who are collaborating to solve the problem of severe asthma.

Appropriate Waste Management for Developing Countries Kriton Curi 2012-12-06 The importance of protecting the environment against pollution is an objective which gained international acceptance in the recent years. According to the first principle of the Declaration of the United Nations Conference on the Human Environment which took place in Stockholm in 1972, "man bears a solemn responsibility to protect and improve the environment for present and future generations". The United Nations again in their desire to improve the sanitation conditions all over the world decided to proclaim the period between 1981-1990 as the "International Drinking Water Supply and Sanitation Decade." Although attempts have been made by international organizations to prevent pollution, it is difficult to say that these attempts gave satisfactory results in developing countries. The most common reasons of failure are: a) To find solutions to their environmental problems, developing countries usually seek the assistance of engineers and scientists from developed countries. Many times, however, either out of ignorance of the local condition or due to financial motivations, these experts come out with solutions which are far from being considered as the "most appropriate." As a result, the basic objective of protecting the environment is not achieved. b) Attempts made by developed countries to "export" their wastes - especially the hazardous ones - to the developing world, is another danger - and sometimes reason of failure encountered in the field of Environmental Management.

Staying with the Trouble Donna J. Haraway 2016-08-19 In the midst of spiraling ecological devastation, multispecies feminist theorist Donna J. Haraway offers provocative new ways to reconfigure our relations to the earth and all its inhabitants. She eschews referring to our current epoch as the Anthropocene, preferring to conceptualize it as what she calls the Chthulucene, as it more aptly and fully describes our epoch as one in which the human and nonhuman are inextricably linked in tentacular practices. The Chthulucene, Haraway explains, requires sym-poiesis, or making-with, rather than auto-poiesis, or self-making. Learning to stay with the trouble of living and dying together on a damaged earth will prove more conducive to the kind of thinking that would provide the means to building more livable futures. Theoretically and methodologically driven by the signifier SF—string figures, science fact, science fiction, speculative feminism, speculative fabulation, so far—Staying with the Trouble further cements Haraway's reputation as one of the most daring and original thinkers of our time.

Introduction to Nuclear Engineering John R. Lamarsh 2011-03-04 The text is designed for junior and senior level Nuclear Engineering students. The third edition of this highly respected text offers the most current and complete introduction to nuclear engineering available. Introduction to Nuclear Engineering has been thoroughly updated with new information on French, Russian,

and Japanese nuclear reactors. All units have been revised to reflect current standards. In addition to the numerous end-of-chapter problems, computer exercises have been added.

Kinetic Art: Theory and Practice Frank J. Malina 1974

The Impact of Caffeine and Coffee on Human Health Christina Bamia 2019-12-12 The purpose of this Special Issue is to provide a thorough and up-to-date presentation of research investigating the impact of coffee and/or caffeine intake on various health outcomes. We welcome the submission of original research articles and/or systematic Reviews/meta-analyses focusing on several aspects of coffee/caffeine intake in relation to human health. Areas of interest include, but are not limited to, the following topics: - Human clinical trials of coffee or caffeine use in relation to disease or intermediate phenotypes. - Epidemiological studies of habitual coffee or caffeine intake in relation to human health, among the general public, as well as, among special populations (i.e., children, pregnant women, diabetics, cancer patients, hypertensives, etc.) - Mechanisms of action of nutrients and other bioactive components of coffee/caffeine. - Studies integrating genetic or physiological markers of coffee/caffeine intake to investigations of coffee and health.

Professional Development of Chemistry Teachers Rachel Mamlok-Naaman 2018-05-08 Continuous professional development of chemistry teachers is essential for any effective chemistry teaching due to the evolving nature of the subject matter and its instructional techniques. Professional development aims to keep chemistry teaching up-to-date and to make it more meaningful, more educationally effective, and better aligned to current requirements. Presenting models and examples of professional development for chemistry teachers, from pre-service preparation through to continuous professional development, the authors walk the reader through theory and practice. The authors discuss factors which affect successful professional development, such as workload, availability and time constraints, and consider how we maintain the life-long learning of chemistry teachers. With a solid grounding in the literature and drawing on many examples from the authors' rich experiences, this book enables researchers and educators to better understand teachers' roles in effective chemistry education and the importance of their professional development.

Relevant Chemistry Education Ingo Eilks 2015-07-22 This book is aimed at chemistry teachers, teacher educators, chemistry education researchers, and all those who are interested in increasing the relevance of chemistry teaching and learning as well as students' perception of it. The book consists of 20 chapters. Each chapter focuses on a certain issue related to the relevance of chemistry education. These chapters are based on a recently suggested model of the relevance of science education, encompassing individual, societal, and vocational relevance, its present and future implications, as well as its intrinsic and extrinsic aspects. "Two highly distinguished chemical educators, Ingo Eilks and Avi Hofstein, have brought together 40 internationally renowned colleagues from 16 countries to offer an authoritative view of chemistry teaching today. Between them, the authors, in 20 chapters, give an exceptional description of the current state of chemical education and signpost the future in both research and in the classroom. There is special emphasis on the many attempts to enthuse students with an understanding of the central science, chemistry, which will be helped by having an appreciation of the role of the science in today's world. Themes which transcend all education such as collaborative work, communication skills, attitudes, inquiry learning and teaching, and problem solving are covered in detail and used in the context of teaching modern chemistry. The book is divided into four parts which describe the individual, the societal, the vocational and economic, and the non-formal dimensions and the editors bring all the disparate leads into a coherent narrative, that will be highly satisfying to experienced and new researchers and to teachers with the daunting task of teaching such an intellectually demanding subject. Just a brief glance at the index and the references will convince anyone interested in chemical education that this book is well worth studying; it is scholarly and readable and has tackled the most important issues in chemical education today and in the foreseeable future." – Professor David Waddington, Emeritus Professor in Chemistry Education, University of York, United Kingdom

Handbook of Clinical Obstetrics E. Albert Reece, MD, PhD, MBA 2008-04-15 The second edition of this quick reference handbook for obstetricians and gynecologists and primary care physicians is designed to complement the parent textbook Clinical Obstetrics: The Fetus & Mother The third edition of Clinical Obstetrics: The Fetus & Mother is unique in that it gives in-depth attention to the two patients – fetus and mother, with special coverage of each patient. Clinical Obstetrics thoroughly reviews the biology, pathology, and clinical management of disorders affecting both the fetus and the mother. Clinical Obstetrics: The Fetus & Mother - Handbook provides the practising physician with succinct, clinically focused information in an easily retrievable format that facilitates diagnosis, evaluation, and treatment. When you need fast answers to specific questions, you can turn with confidence to this streamlined, updated reference.

The Imagination of the New Left George N. Katsiaficas 1987 "The Imagination of the New Left" brings to life the social movements and events of the 1960s that made it a period of world-historical importance: the Prague Spring; the student movements in Mexico, Japan, Sri Lanka, Italy, Yugoslavia, and Spain; the Tet Offensive in Vietnam and guerilla movements in Latin America; the Democratic Convention in Chicago; the assassination of Martin Luther King; the near-revolution in France of May 1968; and the May 1970 student strike in the United States. Despite its apparent failure, the New Left represented a global transition to a newly defined cultural and political epoch, and its impact continues to be felt today.

Measuring Arthropod Biodiversity Jean Carlos Santos 2020-11-11 This book brings together a wide range of sampling methods for investigating different arthropod groups. Each chapter is organised to describe and evaluate the main sampling methods (field methods, materials and supplies, sampling protocols, effort needed, and limitations); in addition, some chapters describe the specimen preparation and conservation, species identification, data collection and management (treatment, statistical analysis, interpretation), and ecological/conservation implications of arthropod communities. The book aims to be a reference for zoologists, entomologists, arachnologists, ecologists, students, researchers, and for those interested in arthropod science and biodiversity. We hope the book will contribute to advance knowledge on field assessments and conservation strategies. Arthropods represent the most speciose group of organisms on Earth, with a remarkable number of species and interactions still to be described. These invertebrates are recognized for playing key ecological roles in terrestrial, freshwater and marine ecosystems. Because of the increasing and relentless threats arthropods are facing lately due to a multitude of human induced drivers, this book represents an important contribution to assess their biodiversity and role in ecosystem functioning and generation of ecosystem services worldwide.

Semiotics and the Philosophy of Language Umberto Eco 1986 "Eco wittily and enchantingly develops themes often touched on in his previous works, but he delves deeper into their complex nature... this collection can be read with pleasure by those unversed in semiotic theory." —Times Literary Supplement

The Big Sea Langston Hughes 2021-08-31 "The Big Sea" by Langston Hughes. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-

known classics & literary fiction and non-fiction to forgotten?or yet undiscovered gems?of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

Flavonoids Oyvind M. Andersen 2005-12-09 Advances in the flavonoid field have been nothing short of spectacular over the last 20 years. While the medical field has noticed flavonoids for their potential antioxidant, anticancer and cardioprotectant characteristics, growers and processors in plant sciences have utilized flavonoid biosynthesis and the genetic manipulation of the flavonoid pa

Beyond Transparency Brett Goldstein 2013-09-30 The rise of open data in the public sector has sparked innovation, driven efficiency, and fueled economic development. While still emerging, we are seeing evidence of the transformative potential of open data in shaping the future of our civic life, and the opportunity to use open data to reimagine the relationship between residents and government, especially at the local level. As we look ahead, what have we learned so far from open data in practice and how we can apply those lessons to realize a more promising future for America's cities and communities? Edited by Brett Goldstein, former Chief Data Officer for the City of Chicago, with Code for America, this book features essays from over twenty of the world's leading experts in a first-of-its-kind instructive anthology about how open data is changing the face of our public institutions. Contributors include: Michael Flowers, Chief Analytics Officer, New York City Beth Blauer, former director of Maryland StateStat Jonathan Feldman, CIO, City of Asheville Tim O'Reilly, founder & CEO, O'Reilly Media Eric Gordon, Director of Engagement Game Lab, Emerson College Beth Niblock, CIO, Louisville Metro Government Ryan & Mike Alfred, Co-Founders, Brightscope Emer Coleman, former director of the London Datastore Mark Headd, Chief Data Officer, City of Philadelphia "As an essential volume for anyone interested in the future of governance, urban policy, design, data-driven policymaking, journalism, or civic engagement, "Beyond Transparency" combines the inspirational glow and political grit of Profiles in Courage with the clarity of an engineer's calm explanation of how something technical actually works. Here are the detailed how-to stories of many members of the first generation of open government pioneers, written in a generous, accessible style; this compilation presents us with a great deal to admire, ample provocation, and wise guidance from a group of remarkable individuals." -Susan Crawford, author of Captive Audience "Just as he did during his time in my administration, Goldstein has brought together industry leaders to discuss issues of relevance in the open data movement and the practical implications of implementing these policies... This book will help continue the work to make open government a reality across the country." - Mayor Rahm Emanuel, City of Chicago "A must-read for anyone who is passionate about what open data can do to transform city living." - Boris Johnson, Mayor of London

Molecular Exercise Physiology Henning Wackerhage 2014-02-24 Molecular Exercise Physiology: An Introduction is the first student-friendly textbook to be published on this key topic in contemporary sport and exercise science. It introduces sport and exercise genetics and the molecular mechanisms by which exercise causes adaptation. The text is linked to real life sport and exercise science situations such as 'what makes people good at distance running?', 'what DNA sequence variations code for a high muscle mass?' or 'by what mechanisms does exercise improve type2 diabetes?' The book includes a full range of useful features, such as summaries, definitions of key terms, guides to further reading, review questions, personal comments by molecular exercise pioneers (Booth, Bouchard) and leading research in the field, as well as descriptions of research methods. A companion website offers interactive and downloadable resources for both student and lecturers. Structured around central themes in sport and exercise science, such as nutrition, endurance training, resistance training, exercise & chronic disease and ageing, this book is the perfect foundation around which to build a complete upper-level undergraduate or postgraduate course on molecular exercise physiology.

Introduction to Nuclear Reactor Theory John R. Lamarsh 2002