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Twelve Years a Slave Frontiers Media SA

The Novartis Foundation Series is a popular collection of the proceedings from Novartis Foundation Symposia, in which groups of leading scientists from a range of topics across biology, chemistry and medicine assembled to present papers and discuss results. The Novartis

Foundation, originally known as the Ciba Foundation, is well known to scientists and clinicians around the world. Lipid-Protein Interactions The Oxford Companion to American Theatre This book provides a selection of protocols to examine protein-lipid interactions, membrane and membrane protein structure, how membrane proteins affect lipids and how they are in turn affected by the lipid bilayer and lipid properties.

Springer Science & Business Media Enna is a girl who doesn't believe in herself and often utters the phrase "I can't do that!" One night in a dream she sees all the possible

future versions of herself, discovering that she can be any of those versions with time, knowledge and dedication. She develops a growth mindset throughout her journey and instead of saying "I can't do that," she learns to say "I can't do that YET!".

Automotive Mechatronics University of Maryland Sea Grant College This book analyzes the drug-discovery process in Japan, based on detailed case studies of 12 groups of 15 innovative drugs. It covers the first statin in the world up to the recent major breakthrough in cancer therapy, the recent immune checkpoint inhibitor, the scientific discovery for which a 2018 Nobel Prize in Physiology or Medicine was awarded to Prof.

Tasuku Honjo, Kyoto University. The book shows the pervasive high uncertainty in drug discovery: frequent occurrences of unexpected difficulties, discontinuations, serendipities, and good luck, significantly because drug discovery starts when the underlying science is incomplete. Thus, there exist dynamic interactions between scientific progress and drug discovery. High uncertainty also makes the value of an entrepreneurial scientist high. Such scientists fill the knowledge gaps by absorbing external scientific progress and by relentless pursuit of possibilities through their own research, often including unauthorized research, to overcome crises. Further, high uncertainty and its resolution significantly characterize the evolution of competition in the drug industry. The patent system promotes innovation under high uncertainty not only by enhancing appropriability of R&D investment but also by facilitating the combination of knowledge and capabilities among different firms through disclosure. Understanding such a process significantly benefits the creation of innovation management and policy practices. Encyclopedia of Pharmaceutical Science and Technology, Fourth Edition, Six Volume Set (Print) Springer Nature

The modern Persian word for cosmology is "Keyhan-shenakht", which is also the title of a

Persian book written more than 800 years ago. The same term can also be found in Old Persian. In spite of this old tradition, modern cosmology is a new~omer within the scientific disciplines in Iran. The cosmology community' is small and not yet well established. Given the spectacular recent advances in observational and theoretical cosmology, the large amount of new observational data which will become available in the near future, and the rapid expansion of the international cosmology community, it was realized that Iran should play a more active role in the exciting human endeavour which cosmology constitutes. This was the main motivation to establish a School on Cosmology in Iran. The plan is to hold a cosmology school every three years somewhere in Iran. The focus of this First School on Cosmology was chosen to be structure formation, a rapidly evolving cornerstone of modern cosmology. The topics of the school were selected in order to give both a broad overview of the current status of cosmological structure formation, and an in-depth discussion of the key issues theory of cosmological perturbations and analysis of cosmic microwave anisotropies. The lectures by Blanchard and Sarkar give an overview of homogeneous cosmological models and standard big bang cosmology. In his contribution, Padmanabhan presents a comprehensive discussion of the growth of cosmological perturbations.

IASLC Atlas of PD-L1 Immunohistochemistry Testing in Lung Cancer Springer

Detailed characterization of fuzzy interactions will

be of central importance for understanding the diverse biological functions of intrinsically disordered proteins in complex eukaryotic signaling networks. In this volume, Peter Tompa and Monika Fuxreiter have assembled a series of papers that address the issue of fuzziness in molecular interactions. These papers provide a broad overview of the phenomenon of fuzziness and provide compelling examples of the central role played by fuzzy interactions in regulation of cellular signaling processes and in viral infectivity. These contributions summarize the current state of knowledge in this new field and will undoubtedly stimulate future research that will further advance our understanding of fuzziness and its role in biomolecular interactions.

Medicine and the Five Senses Springer Science & Business Media

This book constitutes the refereed proceedings of the 9th International Conference on Intelligent Computing, ICIC 2013, held in Nanning, China, in July 2013. The 192 revised full papers presented in the three volumes LNCS 7995, LNAI 7996, and CCIS 375 were carefully reviewed and selected from 561 submissions. The papers in this volume (CCIS 375) are organized in topical sections on Neural Networks; Systems Biology and Computational Biology; Computational Genomics and Proteomics; Knowledge Discovery and Data Mining; Evolutionary Learning and Genetic Algorithms; Machine Learning Theory and Methods; Biomedical Informatics Theory and Methods; Particle Swarm Optimization and Niche

Technology; Unsupervised and Reinforcement Learning; Intelligent Computing in Bioinformatics; Intelligent Computing in Finance/Banking; Intelligent Computing in Petri Nets/Transportation Systems; Intelligent Computing in Signal Processing; Intelligent Computing in Pattern Recognition; Intelligent Computing in Image Processing; Intelligent Computing in Robotics; Intelligent Computing in Computer Vision; Special Session on Biometrics System and Security for Intelligent Computing; Special Session on Bio-inspired Computing and Applications; Computer Human Interaction using Multiple Visual Cues and Intelligent Computing; Special Session on Protein and Gene Bioinformatics: Analysis, Algorithms and Applications.

Innovations in Design & Decision Support Systems in Architecture and Urban Planning Springer Science & Business Media

This book presents operational and practical issues of automotive mechatronics with special emphasis on the heterogeneous automotive vehicle systems approach, and is intended as a graduate text as well as a reference for scientists and engineers involved in the design of automotive mechatronic control systems. As the complexity of automotive vehicles increases, so does the dearth of high

competence, multi-disciplined automotive scientists and engineers. This book provides a discussion into the type of mechatronic control systems found in modern vehicles and the skills required by automotive scientists and engineers working in this environment. Divided into two volumes and five parts, Automotive Mechatronics aims at improving automotive mechatronics education and emphasises the training of students' experimental hands-on abilities, stimulating and promoting experience among high education institutes and produce more automotive mechatronics and automation engineers. The main subject that are treated are: VOLUME I: RBW or XBW unibody or chassis-motion mechatronic control hypersystems; DBW AWD propulsion mechatronic control systems; BBW AWB dispulsion mechatronic control systems; VOLUME II: SBW AWS diversion mechatronic control systems; ABW AWA suspension mechatronic control systems. This volume was developed for undergraduate and postgraduate students as well as for professionals involved in all disciplines related to the design or research and

development of automotive vehicle dynamics, powertrains, brakes, steering, and shock absorbers (dampers). Basic knowledge of college mathematics, college physics, and knowledge of the functionality of automotive vehicle basic propulsion, dispulsion, conversion and suspension systems is required.

Oligonucleotide-Based Therapies Scholastic Inc. This book presents operational and practical issues of automotive mechatronics with special emphasis on the heterogeneous automotive vehicle systems approach, and is intended as a graduate text as well as a reference for scientists and engineers involved in the design of automotive mechatronic control systems. As the complexity of automotive vehicles increases, so does the dearth of high competence, multi-disciplined automotive scientists and engineers. This book provides a discussion into the type of mechatronic control systems found in modern vehicles and the skills required by automotive scientists and engineers working in this environment. Divided into two volumes and five parts, Automotive Mechatronics aims at improving automotive mechatronics education and emphasises the training of students' experimental hands-on abilities, stimulating and promoting experience among high education institutes and produce more automotive mechatronics and automation engineers. The main subject that are treated are: VOLUME I: RBW or XBW unibody

or chassis-motion mechatronic control hypersystems; DBW AWD propulsion mechatronic control systems; BBW AWD propulsion mechatronic control systems; VOLUME II: SBW AWS conversion mechatronic control systems; ABW AWA suspension mechatronic control systems. This volume was developed for undergraduate and postgraduate students as well as for professionals involved in all disciplines related to the design or research and development of automotive vehicle dynamics, powertrains, brakes, steering, and shock absorbers (dampers). Basic knowledge of college mathematics, college physics, and knowledge of the functionality of automotive vehicle basic propulsion, dispulsion, conversion and suspension systems is required.

Hepatotropic Factors Humana Press
This book constitutes the proceedings of the 16th International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS 2018, held in Toledo, Spain, in June 2018. The 20 regular and 19 demo papers presented in this volume were carefully reviewed and selected from 57 submissions. They deal with the application and validation of agent-based models, methods, and technologies in a number of key applications areas, such as: energy and security; engineering and tools; evaluation and ethics; negotiation and organisations; personalization and learning; simulation applications;

simulation platforms; social networks and humans. The book also contains two invited talks in full paper length.

New Ideas in Tokamak Confinement Springer Science & Business Media
First published in 1984, Gerald Bordman's *Oxford Companion to American Theatre* is the standard one-volume source on our national theatre. Critics have hailed its "wealth of authoritative information" (Back Stage), its "fascinating picture of the volatile American stage" (The Guardian), and its "well-chosen, illuminating facts" (Newsday). Now thoroughly revised, this distinguished volume once again provides an up-to-date guide to the American stage from its beginnings to the present. Completely updated by theater professor Thomas Hischak, the volume includes playwrights, plays, actors, directors, producers, songwriters, famous playhouses, dramatic movements, and much more. The book covers not only classic works (such as *Death of a Salesman*) but also many commercially successful plays (such as *Getting Gertie's Garter*), plus entries on foreign figures that have influenced our dramatic development (from Shakespeare to Beckett and Pinter). New entries include recent plays such as *Angels in America* and *Six Degrees of Separation*, performers such as Eric Bogosian and Bill

Irwin, playwrights like David Henry Hwang and Wendy Wasserstein, and relevant developments and issues including AIDS in American theatre, theatrical producing by Disney, and the rise in solo performance. Accessible and authoritative, this valuable A-Z reference is ideal not only for students and scholars of theater, but everyone with a passion for the stage.

Computational Intelligence Methods for Bioinformatics and Biostatistics Springer
This book provides a collection of comprehensive, up-to-date, and broadly applicable guides to the research and development fields of oligonucleotide (ON) therapeutics. Covering topics from the study of antisense and anti-gene effects to oligonucleotides in the context of drug discovery and development, the volume explores a wide-ranging and useful spectrum of methods and protocols needed to take full advantage of therapeutic applications involving ONs. Written for the highly successful *Methods in Molecular Biology* series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Oligonucleotide-Based Therapies: Methods and Protocols* aims to be a great aid in the laboratory as well as an ideal reference guide when designing antisense and anti-gene oligonucleotides for therapeutic applications.

The Oxford Companion to American Theatre
Springer Science & Business Media

Traditionally, the DDSS conferences aim to be a platform for both starting and experienced researchers who focus on the development and application of computer support in urban planning and architectural design. This volume contains 31 peer reviewed papers from this year's conference. This book will bring researchers together and is a valuable resource for their continuous joint effort to improve the design and planning of our environment.

NeuroPsychopharmacotherapy Springer
The IASLC Atlas of PD-L1

Immunohistochemistry Testing in Lung Cancer is a resource designed to help pathologists, clinicians, other health care personnel, and patients better understand emerging programmed cell death ligand-1 (PD-L1) immunohistochemistry (IHC) assays as well as important areas of clarity and debate.

Drug Discovery in Japan Humana

Market: Scientists and students involved in thermonuclear fusion research. Thermonuclear fusion research using the confinement device tokamak represents one of the most prominent science projects in the second half of the 20th century. International Tokamak Community is now committing significant effort and funds to experiments with burning plasma, hot and dense

enough to produce significant nuclear fusion reactions. The methods used to enhance tokamak performance have a profound and immediate effect on machine design. This book provides an up-to-date account of research in tokamak fusion and puts forward innovative ideas in confinement physics.

Schiff's Diseases of the Liver John Wiley & Sons

"Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt
Fuzziness CRC Press

This book takes a systematic approach to nanotoxicology and the developing risk factors associated with nanosized particles during manufacture and use of nanotechnology. Beginning with a detailed introduction to engineered nanostructures, the first part of the book presents concepts and definitions of nanomaterials from quantum dots to graphene to fullerenes, with detailed discussion of functionalization, stability, and medical and

biological applications. The second part critically examines methodologies used to assess cytotoxicity and genotoxicity. Coverage includes interactions with blood (erythrocytes), combinatorial and microarray techniques, cellular mechanisms, and ecotoxicology assessments. Part three describes cases studies both in vitro and in vivo for specific nanomaterials including solid lipid nanoparticles and nanostructured lipid carriers and metallic nanoparticles and metallic oxides. New information is also presented on toxicological aspects of poloxamers and polymeric nanoparticles as drug carriers as well as size effects on cytotoxicity and genotoxicity. Didactic aspects are emphasized in all chapters, making the book suitable for a broad audience ranging from advanced undergraduate and graduate students to researchers in academia and industry. In all, *Nanotoxicology: Materials, Methodologies, and Assessments* will provide comprehensive insight into biological and environmental interactions with nanostructures. Provides an introduction to nanostructures actually in use Describes

cyto- and genotoxicity methodologies, and assesses their performance in comparison to common toxicity assays. Discusses the relation of cytotoxicity and genotoxicity to ecotoxicity. Presents a range of applications, from biogenic silver nanoparticles to poloxamers as drug-delivery systems, reflecting the expanding applications of nanotechnology.

Emerging Intelligent Computing

Technology and Applications Marcel Dekker Incorporated

From bestselling author Ally Carter, the definitive guide to writing a novel for the NaNoRiMo generation, including helpful tips from other YA stars. Have you always wanted to write a book, but don't know where to start? Or maybe you're really great at writing the first few chapters . . . but you never quite make it to the end? Or do you finally have a finished manuscript, but you're not sure what to do next? Fear not -- if you have writing-related questions, this book has answers! Whether you're writing for fun or to build a career, bestselling author Ally Carter is ready to help you make your work shine. With honesty, encouragement, and humor, Ally's ready here to answer the questions that writers struggle with the most. Filled with practical tips and

helpful advice, *Dear Ally* is a treasure for aspiring writers at any stage of their careers. It offers a behind-the-scenes look at how books get made, from idea to publication, and gives you insight into the writing processes of some of the biggest and most talented YA authors writing today.

Proceedings of the 6th International Conference on the Assessment of Animal Welfare at the Farm and Group Level Oxford University Press

This book contains the papers presented at the Course on "Tokamak Startup - Problems and Scenarios Related to the Transient Phases of a Thermonuclear Fusion Reactor" which was held in Erice, July 14-20, 1985. The fact that the critical startup and transient phases of a tokamak reactor are now the specific subject of a comprehensive international gathering of fusion specialists seems indicative of the substantial progress made in recent years towards attaining controlled ignition of a nuclear fusion fuel, i.e. towards demonstrating the scientific feasibility of controlled thermonuclear fusion. In fact, the steady-state burning phase has attracted so far most of the attention of fusion physicists and engineers, as it is conceptually more rewarding, and theoretically easier to handle. However, as for many large engineering systems, - nuclear fis- ... '1' " . 10 ' ... Entrance to San Rocco's lecturing hall v sion power plants, or aerospace crafts, for example - the major issues of design and operation lie often in the startup, shutdown and power tran sieQt phases,

rather than at the full load, or at cruising regimes. In choosing the contributions to this 7th Course of Prof. B.

The Global Challenge of Marine Biotechnology Springer Science & Business Media

Although pancreatic cancer is one of the most serious forms of cancers, the lack of clinical symptoms often limits curative treatment options. This book gives insight into the current understanding of the management of pancreatic cancer and considers recent findings in cancer research. It provides answers to questions of how to know when cancer is respectable, how to proceed when the diagnosis comes too late for a curative approach, and how to assess different study results.