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[The State of the World's Forests 2020 \(Chinese Edition\)](#) MIT Press (MA)

This richly illustrated book focuses on one of the specific and crucial steps of the Medically Assisted Procreation techniques that is often overlooked: the oocyte pick-up. Enhanced by a large number of high-quality pictures, this atlas of oocyte retrieval comprehensively describes important aspects such as the setting of the ultrasonic equipment, the choice of needle, the layout of the devices in the room and the technique to be used, which, if not properly handled, can lead to erroneous behaviors. The original and detailed illustrations, mainly microscopic images and explanatory drawings, help readers to better understand how to manage all the phases of the ovarian pick-up and oocyte management. This practical atlas provides a valuable guide for all specialists who want to improve their skills and gain confidence with the MPA techniques.

[Technical, Economic and Societal Effects of Manufacturing 4.0](#) BNA Books (Bureau of National Affairs)

This open access book identifies and discusses biodiversity's contribution to physical, mental and spiritual health and wellbeing. Furthermore, the book identifies the implications of this relationship for nature conservation, public health, landscape architecture and urban planning – and considers the opportunities of nature-based solutions for climate change adaptation. This transdisciplinary book will attract a wide audience interested in biodiversity, ecology, resource management, public health, psychology, urban planning, and landscape architecture. The emphasis is on multiple human health benefits from biodiversity - in particular with respect to the increasing challenge of climate change. This makes the book unique to other books that focus either on biodiversity and physical health or natural environments and mental wellbeing. The book is written as a definitive 'go-to' book for those who are new to the field of biodiversity and health.

[Sexual Differentiation of the Brain](#) Springer Science & Business Media

The world of manga (Japanese comics) has captured the imagination of artists, both aspiring and professional alike. Now best-selling artist and art instructor Mark Crilley presents the most complete look yet at the variety of creative options available in the world of manga. Crilley fills each chapter with gorgeous, original artwork created with a variety of tools (pencils, colored pencils, digital art, pen and ink, and more) and in a variety of manga-inspired styles. He pairs each piece with information on the materials used and the inspiration that led to its creation. Manga Art provides readers a one-of-a-kind chance to hear from one of the leading artists in the field of manga instruction, as he reveals the unlimited possibilities of manga and the creative secrets behind over 100 pieces of original, never-before-seen artwork.

[Craniofacial Muscles](#) Springer Science & Business Media

This book introduces a new approach to model and predict substrate parasitic failures in integrated circuits with standard circuit design tools. The injection of majority and minority carriers in the substrate is a recurring problem in smart power ICs containing high voltage, high current switching devices besides sensitive control, protection and signal processing circuits. The injection of parasitic charges leads to the activation of substrate bipolar transistors. This book explores how these events can be evaluated for a wide range of circuit topologies. To this purpose, new generalized devices implemented in Verilog-A are used to model the substrate with standard circuit simulators. This approach was able to predict for the first time the activation of a latch-up in real circuits through post-layout SPICE simulation analysis. Discusses substrate modeling and circuit-level simulation of parasitic bipolar device coupling effects in integrated circuits; Includes circuit back-annotation of the parasitic lateral n-p-n and vertical p-n-p bipolar transistors in the substrate; Uses Spice for simulation and characterization of parasitic bipolar transistors, latch-up of the parasitic p-n-p-n structure, and electrostatic discharge (ESD) protection devices; Offers design guidelines to reduce couplings by adding specific protections.

[Perovskite and Piezoelectric Materials](#) Springer Science & Business Media

This open access book is among the first cross-disciplinary works about

Manufacturing 4.0. It includes chapters about the technical, the economic, and the social aspects of this important phenomenon. Together the material presented allows the reader to develop a holistic picture of where the manufacturing industry and the parts of the society that depend on it may be going in the future. Manufacturing 4.0 is not only a technical change, nor is it a purely technically driven change, but it is a societal change that has the potential to disrupt the way societies are constructed both in the positive and in the negative. This book will be of interest to scholars researching manufacturing, technological innovation, innovation management and industry 4.0.

[Manga Art](#) IWA Publishing

Ingle's Endodontics, 7th edition, is the most recent revision of the text that has been known as the "Bible of Endodontics" for half a century. The new edition, published in two volumes, continues the tradition of including the expertise of international leaders in the field. Eighty-six authors contributed cutting-edge knowledge and updates on topics that have formed the core of this book for years. New chapters reflect the ways in which the field of endodontics has evolved over the 50 years since the pioneer John I. Ingle authored Endodontics. Ingle's Endodontics will continue to be the standard against which all other endodontic texts will be measured. The 40 chapters are arranged in two volumes under three sections: The Science of Endodontics; The Practice of Endodontics: Diagnosis, Clinical Decision Making, Management, Prognosis; and Interdisciplinary Endodontics. With contributions from the world's experts in all phases of the specialty, Ingle's Endodontics, 7th edition promises to be an indispensable dentistry textbook, an essential part of every endodontist's library.

[Molecular, Clinical and Environmental Toxicology](#) Palgrave Macmillan

This book covers recent advances in the use of electrostimulation therapies in movement disorders, epilepsy, inflammatory bowel disease, memory and cognition, disorders of consciousness, foot drop, dysphagia, brain injury, headache, heart failure, hearing loss, and rheumatoid arthritis. It describes techniques such as vagus nerve stimulation, deep brain stimulation, and electrical stimulation of the pharyngeal nerve. [Advances in Electrostimulation Therapies](#) is aimed at clinicians and basic researchers in the fields of neurology, neurosurgery, cardiology and rheumatology.

[On Melancholy](#) Springer

This looseleaf treatise provides guidelines on prosecutorial behavior through every stage of the criminal justice process. The work cites thousands of precedent setting cases in the field and spells out the judicial and non-judicial sanctions for prosecutorial misconduct.

[The Alignment Problem: Machine Learning and Human Values](#) W. W. Norton & Company

This second of two volumes on EMG (Electromyography) covers a wide range of clinical applications, as a complement to the methods discussed in volume 1. Topics range from gait and vibration analysis, through posture and falls prevention, to biofeedback in the treatment of neurologic swallowing impairment. The volume includes sections on back care, sports and performance medicine, gynecology/urology and orofacial function. Authors describe the procedures for their experimental studies with detailed and clear illustrations and references to the literature. The limitations of SEMG measures and methods for careful analysis are discussed. This broad compilation of articles discussing the use of EMG in both clinical and research applications demonstrates the utility of the method as a tool in a wide variety of disciplines and clinical fields.

[Biodiversity and Health in the Face of Climate Change](#) Watson-Guptill

Demonstrates a variety of sewing techniques for embellishing garments or other projects, including thread work, applique, patchwork, textured decorations, and silk ribbon embroidery; and includes patterns and advice on creative supplies.

[Pediatric Gender Assignment](#) Springer

Assesses progress to date in meeting global targets and goals related to forest biodiversity and examines the effectiveness of policies, actions and approaches, in terms

of both conservation and sustainable development outcomes.

[Routledge Encyclopedia of Language Teaching and Learning](#) Springer Nature

These conference papers review the current state of research in the field of neuropeptides and peptergic neurons. Special topics concern molecular aspects of processing, release and degradation of neuropeptides, receptors and signal transduction, and comparative and behavioural aspects.

[Drug Discovery and Evaluation](#) Springer Science & Business Media

This book is incredibly valuable to students of various esoteric traditions because the notes and excerpts are taken from private and previously unpublished sources, and from authors whose out-of-print books are not readily accessible. Interesting information has been collected and annotated concerning such topics as blood telegraphy, ever-burning lamps, optics, spiritual skills in healing, transplantation, apparent death, isopathy, and magnetism. Includes a look into a Rosicrucian workshop.

[CRC Standard Mathematical Tables and Formulae](#), 32nd Edition Springer Nature

"Section of Intellectual Property Law, American Bar Association."

[Prosecutorial Misconduct](#) Chilton Book Company

Like music, art is a universal language. Although looking at works of art is a pleasurable enough experience, to appreciate them fully requires certain skills and knowledge."

--Carol Strickland, from the introduction to [The Annotated Mona Lisa: A Crash Course in Art History from Prehistoric to Post-Modern](#) * This heavily illustrated crash course in art history is revised and updated. This second edition of Carol Strickland's [The Annotated Mona Lisa: A Crash Course in Art History from Prehistoric to Post-Modern](#) offers an illustrated tutorial of prehistoric to post-modern art from cave paintings to video art installations to digital and Internet media. * Featuring succinct page-length essays, instructive sidebars, and more than 300 photographs, [The Annotated Mona Lisa: A Crash Course in Art History from Prehistoric to Post-Modern](#) takes art history out of the realm of dreary textbooks, demystifies jargon and theory, and makes art accessible-even at a cursory reading. * From Stonehenge to the Guggenheim and from Holbein to Warhol, more than 25,000 years of art is distilled into five sections covering a little more than 200 pages.

[Environmental Aspects of Zoonotic Diseases](#) Andrews McMeel Publishing

This book represents the proceedings from a conference that took place in Dallas in the spring of 1999 which was entitled "Pediatric Gender Assignment - A Critical Reappraisal". Some participants rightfully argued that the conference really focused on the issue of pediatric gender assignment, and that reassignment was not applied in most cases. Their comments were reflected in the title of this monograph. This multidisciplinary meeting was sponsored by a conference grant from the National Institutes of Health, and a broad inquiry into this complex topic took place from many points of view. Basic scientists offered insight into mechanisms of sexual differentiation of the gonads, physical phenotype and imprinting of the central nervous system. Endocrinologists reviewed their experience in diagnosis and management, surgeons described traditional as well as innovative approaches, and there was strong representation from the ethical and behavioral sciences. In putting together such a panel, it was essential that we identify a cast of speakers who could address their viewpoints with strong convictions, and yet not let their passions render the meeting counterproductive. We were not disappointed. While many differing points of view were firmly expressed by the panelists and audience, all viewpoints were accorded the respect they deserved. The concept behind the meeting and this book really originated in 1997 shortly after Diamond and Sigmundson published their long term follow up study of the John/Joan case.

[Parasitic Substrate Coupling in High Voltage Integrated Circuits](#) Weiser Books
[Environmental Toxicology](#) is the third volume of a three-volume set on molecular, clinical and environmental toxicology that offers a comprehensive and in-depth response to the increasing importance and abundance of chemicals of daily life. By providing intriguing insights far down to the molecular level, this three-volume work covers the entire range of modern toxicology with special emphasis on recent developments and achievements. It is written for students and professionals in medicine, science, public health or engineering who are demanding reliable information on toxic or potentially harmful agents and their adverse effects on the human body.

[Ingle's Endodontics](#) Psychology Press

A jaw-dropping exploration of everything that goes wrong when we build AI systems and the movement to fix them. Today's "machine-learning" systems, trained by data, are so effective that we've invited them to see and hear for us—and to make decisions on our behalf. But alarm bells are ringing. Recent years have seen an eruption of concern as the field of machine learning advances. When the systems we attempt to teach will not, in the end, do what we want or what we expect, ethical and potentially existential risks emerge. Researchers call this the alignment problem. Systems culled until, years later, we discover that they have inherent gender biases. Algorithms decide bail and parole—and appear to assess Black and White defendants differently. We can no longer assume that our mortgage application, or even our medical tests, will be seen by human eyes. And as autonomous vehicles share our streets, we are increasingly putting our lives in their hands. The mathematical and computational models driving these changes range in complexity from something that can fit on a spreadsheet to a complex system that might credibly be called "artificial intelligence." They are steadily replacing both human judgment and explicitly programmed software. In best-selling author Brian Christian's riveting account, we meet the alignment problem's "first-responders," and learn their ambitious plan to solve it before our hands are completely off the wheel. In a masterful blend of history and on-the-ground reporting, Christian traces the explosive growth in the field of machine learning and surveys its current, sprawling frontier. Readers encounter a discipline finding its legs amid exhilarating and sometimes terrifying progress. Whether they—and we—succeed or fail in solving the alignment problem will be a defining human story. The Alignment Problem offers an unflinching reckoning with humanity's biases and blind spots, our own unstated assumptions and often contradictory goals. A dazzlingly interdisciplinary work, it takes a hard look not only at our technology but at our culture—and finds a story by turns harrowing and hopeful.

Human Evolutionary Genetics PMPH USA

Environmental Aspects of Zoonotic Diseases provides a definitive description, commentary and research needs of environmental aspects related to zoonotic diseases. There are many interrelated connections between the environment and zoonotic diseases such as: water, soil, air and agriculture. The book presents investigations of these connections, with specific reference to environmental processes such as: deforestation, floods, draughts, irrigation practices, soil transfer and their impact on bacterial, viral, fungal, and parasitological spread. Environmental aspects such as climate (tropical, sub-tropical, temperate, arid and semi-arid), developed and undeveloped countries, animal (domestic and wild) traffic animal border crossing, commercial animal trade, transportation, as well geography and weather on zoonosis, are also discussed and relevant scientific data is condensed and organized in order to give a better picture of interrelationship between the environment and current spread of zoonotic diseases.

Altogether, the book presents a remarkable and a vast amount of potential future research directions based on the link: environment-vectors-pathogens-humans. The most up-to-date source of information on this increasingly important cross-disciplinary subject, Environmental Aspects of Zoonotic Diseases will be invaluable for environmentalists, veterinarians, medical staff, environmental engineers, government agencies and consultants working in this field. Authors: Prof. Robert Armon, Technion (Israel Institute of Technology), Haifa, Israel, Dr. Uta Cheruti, Technion (Israel Institute of Technology), Haifa, Israel

Buying a New Sewing Machine Springer

With over 6,000 entries, CRC Standard Mathematical Tables and Formulae, 32nd Edition continues to provide essential formulas, tables, figures, and descriptions, including many diagrams, group tables, and integrals not available online. This new edition incorporates important topics that are unfamiliar to some readers, such as visual proofs and sequences, and illustrates how mathematical information is interpreted. Material is presented in a multisectional format, with each section containing a valuable collection of fundamental tabular and expository reference material. New to the 32nd Edition A new chapter on Mathematical Formulae from

the Sciences that contains the most important formulae from a variety of fields, including acoustics, astrophysics, epidemiology, finance, statistical mechanics, and thermodynamics New material on contingency tables, estimators, process capability, runs test, and sample sizes New material on cellular automata, knot theory, music, quaternions, and rational trigonometry Updated and more streamlined tables Retaining the successful format of previous editions, this comprehensive handbook remains an invaluable reference for professionals and students in mathematical and scientific fields.