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Introduction to Information Retrieval [Cambridge University Press](#) **Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures. An Introduction to Statistical Learning with Applications in R [Springer Science & Business Media](#) **An Introduction to Statistical Learning provides an accessible overview of the field of statistical learning, an essential toolset for making sense of the vast and complex data sets that have emerged in fields ranging from biology to finance to marketing to astrophysics in the past twenty years. This book presents some of the most important modeling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, clustering, and more. Color graphics and real-world examples are used to illustrate the methods presented. Since the goal of this textbook is to facilitate the use of these statistical learning techniques by practitioners in science, industry, and other fields, each chapter contains a tutorial on implementing the analyses and methods presented in R, an extremely popular open source statistical software platform. Two of the authors co-wrote The Elements of Statistical Learning (Hastie, Tibshirani and Friedman, 2nd edition 2009), a popular reference book for statistics and machine learning researchers. An Introduction to Statistical Learning covers many of the same topics, but at a level accessible to a much broader audience. This book is targeted at statisticians and non-statisticians alike who wish to use cutting-edge statistical learning techniques to analyze their data. The text assumes only a previous course in linear regression and no knowledge of matrix algebra.** **Comprehensive Cytopathology E-Book** [Elsevier Health Sciences](#) **In the newly updated edition of Comprehensive Cytopathology, a team of international experts provides criteria and techniques in diagnosis, testing, and new insights in cytology. This accessible guide to diagnostic investigation and screening is ideal for daily laboratory use, taking a systematic approach to helping you understand major diagnostic criteria as well as the pitfalls and limitations of cytology. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Quickly find the answers you need through a consistent chapter structure. Realize every possibility. Appropriate histopathological correlations and a consideration of the possible differential diagnosis accompany the cytological findings. Remain at the forefront of your field. Content has been fully revised and updated to include over 1800 full-color images and 2 new chapters: The Bethesda System for Reporting Thyroid Cytopathology, and Digital Pathology. Five Chapters - Benign Proliferative Reactions, Intraepithelial Neoplasia, Invasive Carcinoma; Central Nervous System; Eye; Pancreas; and HPV - have new, original texts. Access expanded coverage of immunocytochemistry and molecular techniques in cytology, as well as digital pathology and its applications to telecytology (including CAP requirements). Equip yourself to handle any situation with guidance on diagnoses in cytology of all body sites (including the female genital tract); fine-needle aspiration of various organs; and special techniques. Offer your patients a definitive diagnosis with updated coverage on molecular testing, as well as the most current concepts, data and references. View 7 brand-new videos demonstrating specific imaging techniques in cytopathology. Understand the diagnostic aspects of cytology in both benign and malignant conditions in the various body sites and organs. Compare and contrast various diagnoses with help from Key Features boxes for numerous diagnostic entities. Stay on top of latest guidelines for cervical cancer screening and The Bethesda****

System for Reporting Thyroid Cytopathology. Future of CO2 Capture, Transport and Storage Projects Analysis using a Systemic Risk Management Approach [Springer](#) This book presents a summary of a three-year research project on risk management for the Capture, Transport and Storage of CO2 (CTSC), offering an in-depth study on complex sociotechnical systems and systemic modeling. Approaching CTSC as a complex sociotechnical system, this book proposes systemic modeling as a decision-making aid. It offers a means of decision-making for the development of CTSC projects in the real-world context, where the future of the technology is uncertain. Risk management is considered as a means of control that can provide a control structure for the whole system. The risks associated with CTSC are not exclusively technical in nature; CTSC also faces a number of further uncertainties, from development to commercial scales. A major question concerning CTSC at the current scale of development is: "What are the factors explaining the success or failure of CTSC projects in different contexts?" In order to answer this question, the book proposes a systemic risk management framework based on the system dynamics and STAMP (Systems-Theoretic Accident Model and Processes) concepts. **International Court Authority** [Oxford University Press](#) An innovative, interdisciplinary and far-reaching examination of the actual reality of international courts, International Court Authority challenges fundamental preconceptions about when, why, and how international courts become important and authoritative actors in national, regional, and international politics. A stellar group of scholars investigate the challenges that international courts face in transforming the formal legal authority conferred by states into an actual authority in fact that is respected by potential litigants, national actors, legal communities, and publics. Alter, Helfer, and Madsen provide a novel framework for conceptualizing international court authority that focuses on the reactions and practices of these key audiences. Eighteen scholars from the disciplines of law, political science and sociology apply this framework to study thirteen international courts operating in Africa, Latin America, and Europe, as well as on a global level. Together the contributors document and explore important and interesting variations in whether the audiences that interact with international courts around the world embrace or reject the rulings of these judicial institutions. Alter, Helfer, and Madsen's authority framework recognizes that international judges can and often do everything they 'should' do to ensure that their rulings possess the gravitas and stature that national courts enjoy. Yet even when imbued with these characteristics, the parties to the dispute, potential future litigants, and the broader set of actors that monitor and respond to the court's activities may fail to acknowledge the rulings as binding or take meaningful steps to modify their behaviour in response to them. For both specific judicial institutions, and more generally, the book documents and explains why most international courts possess de facto authority that is partial, variable, and highly dependent on a range of different audiences and contexts - and thus is highly fragile. An introduction situates the book's unique approach to conceptualizing international court authority within theoretical debates about the authority of global institutions. International Court Authority also includes critical reflections on the authority framework from legal theorists, international relations scholars, a philosopher, and an anthropologist. The book's conclusion questions a number of widely shared assumptions about how social and political contexts facilitate or undermine international courts in developing de facto authority and political power. **Betsaida/Bethsaida - Julias (et-Tell) Die ersten 25 Jahre der Ausgrabung (1987-2011)/The First Twenty-Five Years of Excavation (1987-2011) with Postscripts until 2013** [Vandenhoeck & Ruprecht](#) Die Publikation macht es möglich, insbesondere für die hellenistisch-frühromische Zeit die ersten ca. 25 Jahre der am Nordende des Sees Gennesaret seit 1987 durchgeführten Ausgrabung von et-Tell nachzuvollziehen, und sie lässt für diesen Zeitraum den letzten Stand der auch für die neutestamentliche Forschung wichtigen Grabung erkennen. Die Grabung wird von dem israelischen Archäologen Prof. Dr. Rami Arav geleitet; der Verfasser ist Professor für Neues Testament und Kodirektor des Bethsaida Excavations Project. Die Grabung hat gezeigt, dass et-Tell gleichzusetzen ist mit Betsaida/Julias, das z. B. im Neuen Testament (siebenmal), bei dem jüdischen Historiker Josephus und in der rabbinischen Literatur erwähnt wird. Der Band, der weit über 100 Abbildungen, zu einem großen Teil in Farbe, enthält, verfolgt also ein doppeltes Ziel: Zum einen kann aufgrund der 15 gesammelten Aufsätze in Deutsch und Englisch und der fortlaufenden Münchner Ausgrabungspläne der entdeckten Schichten von Eisenzeit IIA und hellenistisch-römischer Zeit der Verlauf der Grabung von Anfang an verfolgt werden (die gefalzten Pläne in doppeltem Seitenformat), zum anderen geben die Nachträge zu den veröffentlichten Aufsätzen sowie der letzte unveröffentlichte Aufsatz den jüngsten Stand der Grabung wieder. Der Verfasser richtet den Blick öfter speziell auf die erste Hälfte des 1. Jh. n.Chr. und das historisch-kritisch nachweisbare Wirken Jesu in Betsaida (gemäß Mt 11,21-23 parallel Lk 10,13-15). **Mining of Massive Datasets** [Cambridge University Press](#) Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets. **Community Health Nursing in Canada - E-Book** [Elsevier Health Sciences](#) With concise, focused coverage, Community Health Nursing in Canada, 3rd Edition introduces you to all of the necessary concepts, skills, and practice of community health nursing. This comprehensive text from leading nursing educators also addresses the increasing awareness of social justice and the impact of society on individual health, with a shift from individual-centred care to population- and community-centred care. In this constantly evolving field, Community Health Nursing in Canada helps you develop the necessary skills to apply what you've learned in the practice setting. **UNIQUE!** Evidence-Informed Practice boxes illustrate how to apply the latest research findings in community health nursing. Levels of Prevention boxes give examples of primary, secondary, and tertiary prevention related to community health nursing practice. Ethical Considerations boxes provide examples of ethical situations and relevant principles involved in making informed decisions in community health nursing practice. **UNIQUE!** Chapter Indigenous Health: Working with First Nations Peoples, Inuit, and Métis chapter details community health nursing in Aboriginal communities. **UNIQUE!** Determinants of Health boxes highlight these critical factors contributing to an individual's health. How To boxes provide specific, application-oriented information. Chapter Summary sections provide a helpful summary of the key points within each chapter. **NEW!** CHN in Practice boxes provide unique case studies to help you develop your assessment and critical thinking skills. **NEW!** Cultural Considerations boxes present culturally diverse scenarios that offer questions for reflection and class discussion.

Convex Optimization [Cambridge University Press](#) A comprehensive introduction to the tools, techniques and applications of convex optimization.

Water-Energy-Food Nexus Principles and Practices [John Wiley & Sons](#) Water, energy and food are key resources to sustain life, and are the fundamental to national, regional and global economies. These three resources are interlinked in multiple ways, and the term “nexus” captures the interconnections. The nexus has been discussed, debated, researched, and advocated widely but the focus is often on the pairings of “water-energy” or “water-food” or “energy-food”. To really benefit from the nexus approach in terms of resource use efficiency it is essential to understand, operationalize and practice the nexus of all three resources. As demand for these resources increases worldwide, using them sustainably is a critical concern for scientists and citizens, governments and policy makers. Volume highlights include: Contributions to the global debate on water-energy-food nexus Examples of the nexus approach in practice from different regions of the world Perspectives on the future of the nexus agenda

Water-Energy-Food Nexus: Theories and Practices is a valuable resource for students, research scholars and professionals in academic institutions with strong interests in interdisciplinary research involving geography, earth science, environmental science, environmental management, sustainability science, international development, and ecological economics. The volume will also be useful for professionals, practitioners and consultants in /NGOs, government, and international agencies. Read an interview with the editors to find out more:
<https://eos.org/editors-vox/working-towards-a-sustainable-future>

Special Education in the Early Years Perspectives on Policy and Practice in the Nordic Countries [Springer Nature](#)

Clinical Immunology E-Book Principles and Practice [Elsevier Health Sciences](#) Keep abreast of the latest advances in this complex field with the 5th Edition of **Clinical Immunology: Principles and Practice**. This substantially revised edition by Drs. Robert R. Rich, Thomas A. Fleisher, William T. Shearer, Harry W. Schroeder, Jr., Anthony J. Frew, and Cornelia M. Weyand, offers authoritative guidance from some of the most respected global leaders in immunology, helping you navigate today’s latest knowledge and evidence-based practices that result in improved patient care. This trusted resource features sweeping content updates, rewritten chapters, a highly clinical perspective, and an easy-to-use organization designed to enhance your diagnosis and management skills in daily practice. Includes new chapters on the Microbiota in Immunity and Inflammation, Immune Responses to Fungi, and Genetics and Genomics of Immune Response. Features extensive revisions to many chapters, including the Major Histocompatibility Complex, Multiple Sclerosis, Diabetes and Related Autoimmune Diseases, Biologic Modifiers of Inflammation and Tumor Immunotherapy. Covers hot topics such as the role of genetics and genomics in immune response and immunologic disease, atherosclerosis, recurrent fever syndromes, aging and deficiencies of innate immunity, the role of microbiota in normal immune system development and the pathogenesis of immunologic and inflammatory diseases, and novel therapeutics. Addresses notable advances in key areas such as the importance of the microbiota to normal immune system development and to the pathogenesis of immunologic and inflammatory diseases; relationships between the innate and adaptive immune systems; progress in rapid and cost-effective genomics; cell signaling pathways and the structure of cell-surface molecules; and many more. Summarizes promising research and development anticipated over the next 5-10 years with “On the Horizon” boxes and discussion of translational research.

Quantum Computation and Quantum Information [Cambridge University Press](#) First-ever comprehensive introduction to the major new subject of quantum computing and quantum information.

Rosen’s Emergency Medicine - Concepts and Clinical Practice E-Book [Elsevier Health Sciences](#) Since its revolutionary first edition in 1983, Rosen’s Emergency Medicine set the standard for reliable, accessible, and comprehensive information to guide the clinical practice of emergency medicine. Generations of emergency medicine residents and practitioners have relied on Rosen’s as the source for current information across the spectrum of emergency medicine practice. The 9th Edition continues this tradition of excellence, offering the unparalleled clarity and authority you’ve come to expect from the award-winning leader in the field. Throughout the text, content is now more concise, clinically relevant, and accessible than ever before - meeting the needs of today’s increasingly busy emergency medicine practitioner. Delivers clear, precise information, focused writing and references; relevant, concise information; and generous use of illustrations provide definitive guidance for every emergency situation. Offers the most immediately relevant content of any emergency medicine reference, providing diagnostic and treatment recommendations with clear indications and preferred actions. Presents the expertise and knowledge of a new generation of editors, who bring fresh insights and new perspectives to the table. Includes more than 550 new figures, including new anatomy drawings, new graphs and algorithms, and new photos. Provides diligently updated content throughout, based on only the most recent and relevant medical literature. Provides improved organization in sections to enhance navigation and six new chapters: Airway Management for the Pediatric Patient; Procedural Sedation and Analgesia for the Pediatric Patient; Drug Therapy for the Pediatric Patient; Co-Morbid Medical Emergencies During Pregnancy; Drug Therapy in the Geriatric Patient; and Global and Humanitarian Emergency Medicine.

Mandell, Douglas, and Bennett’s Principles and Practice of Infectious Diseases E-Book [Elsevier Health Sciences](#) After thirty five years, Mandell, Douglas, and Bennett’s Principles and Practice of Infectious Diseases, 8th Edition is still the reference of choice for comprehensive, global guidance on diagnosing and treating the most challenging infectious diseases. Drs. John E. Bennett and Raphael Dolin along with new editorial team member Dr. Martin Blaser have meticulously updated this latest edition to save you time and to ensure you have the latest clinical and scientific knowledge at your fingertips. With new chapters, expanded and updated coverage, increased worldwide perspectives, and many new contributors, Mandell, Douglas, and Bennett’s Principles and Practice of Infectious Diseases, 8th Edition helps you identify and treat whatever infectious disease you see. Get the answers to any questions you have with more in-depth coverage of epidemiology, etiology, pathology, microbiology, immunology, and treatment of infectious agents than you’ll find in any other ID resource. Apply the latest knowledge with updated diagnoses and treatments for currently recognized and newly emerging infectious diseases, such as those caused by avian and swine influenza viruses. Put the latest knowledge to work in your practice with new or completely revised chapters on Influenza (new pandemic strains); New Middle East Respiratory Syndrome

(MERS) Virus; Probiotics; Antibiotics for resistant bacteria; Antifungal drugs; New Antivirals for hepatitis B and C; Clostridium difficile treatment; Sepsis; Advances in HIV prevention and treatment; Viral gastroenteritis; Lyme Disease; Helicobacter pylori; Malaria; Infections in immunocompromised hosts; Immunization (new vaccines and new recommendations); and Microbiome. Benefit from fresh perspectives and expanded global insights from an expanded team of American and International contributors. Martin Blaser, MD, a leading expert and Muriel G. and George W. Singer Professional of Translational Medicine at New York University School of Medicine, joins veteran PPID editors John E. Bennett, MD, and Raphael Dolin, MD to continue a legacy of excellence. Find and grasp the information you need easily and rapidly with newly added chapter summaries. Medical-Surgical Nursing - E-Book Patient-Centered Collaborative Care [Elsevier Health Sciences](#) Using a unique collaborative care approach to adult health nursing, Medical-Surgical Nursing: Patient-Centered Collaborative Care, 8th Edition covers the essential knowledge you need to succeed at the RN level of practice. Easy-to-read content includes evidence-based treatment guidelines, an enhanced focus on QSEN competencies, and an emphasis on developing clinical judgment skills. This edition continues the book's trendsetting tradition with increased LGBTQ content and a new Care of Transgender Patients chapter. Written by nursing education experts Donna Ignatavicius and M. Linda Workman, this bestselling text also features NCLEX® Exam-style challenge questions to prepare you for success on the NCLEX Exam. Cutting-edge coverage of the latest trends in nursing practice and nursing education prepares you not just for today's nursing practice but also for tomorrow's. **UNIQUE!** Collaborative care approach organizes all medical, surgical, nursing, and other interventions within the framework of the nursing process, mirroring the nurse's role in the coordination/management of care in the real world of medical-surgical nursing. **UNIQUE!** A focus on nursing concepts relates concepts learned in Nursing Fundamentals with the disorders you will study in Medical-Surgical Nursing. Easy to read, direct-address writing style makes this one of the most readable medical-surgical nursing textbooks available. **UNIQUE!** A focus on QSEN emphasizes patient safety and evidence-based practice with Nursing Safety Priority boxes including Drug Alerts, Critical Rescues, and Action Alerts. **UNIQUE!** Emphasis on clinical judgment teaches you to develop skills in clinical reasoning and clinical decision-making when applying concepts to clinical situations, with Clinical Judgment Challenge questions throughout the chapters. An emphasis on prioritization stresses the most important patient problems and nursing interventions, with patient problems presented in a single prioritized list of nursing diagnoses and collaborative problems. **UNIQUE!** NCLEX preparation tools include chapter-opening Learning Outcomes and chapter-ending Get Ready for the NCLEX Examination! sections organized by NCLEX® Client Needs Categories, plus NCLEX Examination Challenge questions, with an answer key in the back of the book and on the Evolve companion website. Practical learning aids include NCLEX Examination Challenges, Clinical Judgment Challenges, Best Practice for Patient Safety & Quality Care charts, common examples of drug therapy, concept maps, laboratory profiles, and more. A clear alignment with the language of clinical practice reflects the real world of nursing practice with NANDA diagnostic labels where they make sense, and non-NANDA diagnostic labels when these are more common descriptions of patient problems. Student Resources on an Evolve companion website help you prepare for class, clinicals, or lab with video and audio clips, animations, case studies, a concept map creator, NCLEX exam-style review questions, and more. **UNIQUE!** Concentration on essential knowledge for the RN level of medical-surgical nursing practice focuses your attention on need-to-know content to pass the NCLEX Examination and practice safety as a beginning nurse.

Occupational Therapies Without Borders E-Book integrating justice with practice [Elsevier Health Sciences](#) The new edition of this landmark international work builds on the previous two volumes, offering a window onto occupational therapy practice, theory and ideas in different cultures and geographies. It emphasizes the importance of critically deconstructing and engaging with the broader context of occupation, particularly around how occupational injustices are shaped through political, economic and historical factors. Centering on the wider social and political aspects of occupation and occupation-based practices, this textbook aims to inspire occupational therapy students and practitioners to include transformational elements into their practice. It also illustrates how occupational therapists from all over the world can affect positive changes by engaging with political and historical contexts. Divided into six sections, the new edition begins by analyzing the key concepts outlined throughout, along with an overview on the importance and practicalities of monitoring and evaluation in community projects. Section Two explores occupation and justice emphasizing that issues of occupational injustice are present everywhere, in different forms: from clinical settings to community-based rehabilitation. Section Three covers the enactment of different Occupational Therapies with a focus on the multiplicity of occupational therapy from the intimately personal to the broadly political. Section Four engages with the broader context of occupational therapy from the political to the financial. The chapters in this section highlight the recent financial crisis and the impact it has had on people's everyday life. Section Five collects a range of different approaches to working to enable a notion of occupational justice. Featuring chapters from across the globe, Section Six concludes by highlighting the importance and diversity of educational practices. Comprehensively covers occupational therapy theory, methodology and practice examples related to working with underserved and neglected populations Gives a truly global overview with contributions from over 100 international leading experts in the field and across a range of geographical, political and linguistic contexts Demonstrates how occupational injustices are shaped through political, economic and historical factors Advocates participatory approaches which work for those who experience inequalities Includes a complete set of new chapters Explores neoliberalism and financial contexts, and their impact on occupation Examines the concept of disability Discusses theoretical and practical approaches to occupational justice

Pharmacology and the Nursing Process - E-Book [Elsevier Health Sciences](#) Let this outstanding pharmacology text help you learn how to administer drugs safely and effectively! Now in its eighth edition, Pharmacology and the Nursing Process continues to deliver the perfect amount of pharmacology, prioritization, and nursing process information to today's nursing students. Centering on its unique key drug approach, this text focuses only on the drug information you need to safely administer drugs. The text also continues to emphasize the nursing

process and prioritization, covering the most essential assessments, nursing diagnoses, interventions, and evaluations you need to practice effectively. New to this edition is even more coverage of QSEN competencies, simpler language, and a wealth of reader-friendly features and innovative learning aids. Along with its integrated NCLEX preparation and insightful learning strategies, you won't find a more complete pharmacology text on the market! **Cardio-Oncology Practice Manual: A Companion to Braunwald's Heart Disease E-Book** [Elsevier Health Sciences](#) Today's patients have unique cardiologic needs before, during, and after cancer treatment. Chemotherapies, radiation therapy, and targeted therapies can produce acute side effects or lasting adverse consequences on the heart and circulatory system, making the field of cardio-oncology increasingly important in effective patient care. **Cardio-Oncology Practice Manual** is a comprehensive, portable guide that provides practical approaches to assessment and management of cardiovascular diseases due to the effects of cardiotoxic agents and treatments. Part of the Braunwald family of renowned cardiology references, it clearly presents clinically relevant aspects of this growing field in one quick, practical reference for a wide range of cardio-oncology providers. Covers all major cancer therapies, cardiovascular toxicities, and malignancies in a portable, authoritative guide—ideal for cardiologists, cardio-oncologists, general practitioners, internists, medical oncologists, and hematologists. Offers templated and streamlined content for quick retrieval, with key point summaries for each major section. Presents cardiac disease entities and specific malignant diseases in a succinct overview format addressing important clinical care aspects. Features "Central Illustrations" for each topic that visually summarize the chapter and its specific content including algorithms for management of cardiovascular toxicities and one-view overviews of malignancies. Includes a comprehensive drug guide that provides quick reference to drugs prescribed for cancers with therapeutic indications, manifestations and mechanisms of cardiotoxicity, their risk factors, and risk reduction strategies. Brings you up to date with new immune therapies, including immune checkpoint inhibitors and CAR T-cell therapies **Avery's Diseases of the Newborn E-Book** [Elsevier Health Sciences](#) **Covering the evaluation and management of every key disease and condition affecting newborns, Avery's Diseases of the Newborn, by Drs. Christine A. Gleason and Sandra E. Juul, remains your #1 source for practical, clinically relevant information in this fast-changing field. You'll find the specific strategies you need to confidently diagnose and treat this unique patient population, in a full-color, easy-to-use single volume that focuses on key areas of practice. Now in a thoroughly revised 10th Edition, this highly respected reference is an authoritative clinical resource for neonatal practitioners. Provides up-to-date information on every aspect of newborn evaluation and management in a new, visually improved format featuring more than 500 all-new, full-color illustrations integrated within each chapter. Includes greatly expanded Neurology and Hematology sections that highlight the knowledge and expertise of new co-editor, Dr. Sandra E. Juul. Features all-new chapters on Palliative Care, Gastroesophageal Reflux, Platelet Disorders, Transfusion Therapy, Hypertension, , and The Ear and Hearing Disorders, as well as expanded coverage of brain injury and neuroprotective strategies in the preterm and term infant. Contains new Key Points boxes at the beginning of every chapter. Brings you up to date on current topics such as the evolving epidemic of neonatal abstinence syndrome and the new clinical uses of ultrasound. Bilingual Education in Primary School Aspects of Immersion, CLIL, and Bilingual Modules [Narr Francke Attempto Verlag](#) **Bilinguale Unterrichtsformen sind in einem mehrsprachigen Europa derzeit stark angesagt, sowohl in der Grund- als auch der Sekundarschule. Diese Einführung gibt einen guten Überblick über aktuelle Forschungsergebnisse, Konzepte, Fragen und Praktiken des bilingualen Unterrichts in der Primarstufe. Das Buch wendet sich gleichermaßen an Lehrkräfte, Referendare und Studierende und informiert über Chancen und Grenzen, die bei der Einführung bilingualer Unterrichtsprogramme wie CLIL, Immersion oder bilinguale Module berücksichtigt werden müssen. Jedes Kapitel enthält eine Kurzzusammenfassung, vor- und nachbereitende Fragen zum Text sowie Literaturempfehlungen zu den einzelnen Bereichen. Practical Management of Pain E-Book** [Elsevier Health Sciences](#) **Obtain all the core knowledge in pain management you need from one of the most trusted resources in the field. The new edition of Practical Management of Pain gives you completely updated, multidisciplinary overview of every aspect of pain medicine, including evaluation, diagnosis of pain syndromes, rationales for management, treatment modalities, and much more. It is all the expert guidance necessary to offer your patients the best possible relief. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Access up-to-the-minute knowledge on all aspects of pain management, from general principles to specific management techniques, with contributions from renowned pain management experts. Understand and apply the latest developments in pain management with brand-new chapters covering disability assessment, central post-stroke pain, widespread chronic pain, and burn pain. Effectively ease your patients' pain with today's best management techniques, including joint injections, ultrasound-guided therapies, and new pharmacologic agents (such as topical analgesics). Vaccines E-Book [Elsevier Health Sciences](#) **From the development of each vaccine to its use in reducing disease, Plotkin's Vaccines, 7th Edition, provides the expert information you need to provide optimal care to your patients. This award-winning text offers a complete understanding of each disease, as well as the latest knowledge of both existing vaccines and those currently in research and development. Described by Bill Gates as "an indispensable guide to the enhancement of the well-being of our world," Plotkin's Vaccines is a must-have reference for current, authoritative information in this fast-moving field. Includes complete information for each disease, including clinical characteristics, microbiology, pathogenesis, diagnosis, and treatment, epidemiology, and public health and regulatory issues - plus complete information for each vaccine, including its stability, immunogenicity, efficacy, duration of immunity, adverse events, indications, contraindications, precautions, administration with other vaccines, and disease-control strategies. Analyzes the cost-benefit and cost-effectiveness of different vaccine options. Helps you clearly visualize concepts and objective data through an abundance of tables and figures. Covers the new oral cholera and zoster vaccines, as well as newly licensed meningococcal group B vaccines and a newly licensed dengue vaccine. Brings you up to date on successful human trials of Ebola vaccines, an enterovirus 71 vaccine licensed in China, and new recommendations and changes to polio vaccines. Features a new chapter on maternal immunization. Development In Modern Africa Past and******

Present Perspectives [Routledge](#) **Development in Modern Africa: Past and Present Perspectives** contributes to our understanding of Africa's experiences with the development process. It does so by adopting a historical and contemporary analysis of this experience. The book is set within the context of critiques on development in Africa that have yielded two general categories of analysis: skepticism and pessimism. While not overlooking the shortcomings of development, the themes in the book express an optimistic view of Africa's development experiences, highlighting elements that can be tapped into to enhance the condition of African populations and their states. By using case studies from precolonial, colonial, and postcolonial Africa, contributors to the volume demonstrate that human instincts to improve material, social and spiritual words are universal. They are not limited to the Western world, which the term and process of development are typically associated with. Before and after contact with the West, Africans have actively created institutions and values that they have actively employed to improve individual and community lives. This innovative spirit has motivated Africans to integrate or experiment with new values and structures, challenges, and solutions to human welfare that resulted from contact with colonialism and the postcolonial global community. The book will be of interest to academics in the fields of history, African studies, and regional studies.

Fundamentals of Mammography - E-Book [Elsevier Health Sciences](#) The third edition of **Fundamentals of Mammography** assists clinicians to deliver a consistently high-quality service while acquiring the skills needed to provide care at what can be an emotionally difficult time for many patients. Fully updated to reflect current mammography technology, standards and radiologic environments, the book covers the principles of mammography techniques as well as equipment, quality control checks, psychological issues and communication. This book is ideal for assistant practitioners and radiographers, both in training or newly qualified, as well as all other health professionals who use mammography in breast care settings. Step-by-step guide to producing high-quality mammograms Clear explanations and diagrams to achieve the best positioning and use of equipment Graphic aids showing how to accommodate different statures and configurations Advice on achieving and maintaining quality control for equipment and film processing Patient-centred approach, with case studies and information on communication Fully updated with the latest evidence, including electronic processing and digital technology

Middleton's Allergy E-Book Principles and Practice [Elsevier Health Sciences](#) This best-selling resource has a worldwide reputation as the leader in its field. Focusing on human immunology and biology, while also reporting on scientific experimentation and advancement, it provides comprehensive coverage of state-of-the-art basic science as well as authoritative guidance on the practical aspects of day-to-day diagnosis and management. This new edition includes 700 full-color illustrations and a new, more accessible format to make finding information a snap for the busy practitioner. Includes a glossary of allergy and immunology for quick and easy reference. Contains keypoints and clinical pearls highlighted to find important information quickly. links to useful online resources both for you and for your patients. Offers contributions from hundreds of international authorities for world-class expertise in overcoming any clinical challenge. Contains 400 new illustrations, 700 in all, to better illustrate complex immunology. Covers the very latest in the field, including hot topics such as food allergy and immunotherapy. Includes the latest guidelines from The National Asthma Education and Prevention Program (NAEPP). Utilizes a new, more user-friendly full-color format for easier reference.

Gangsters and Other Statesmen [Mafias, Separatists, and Torn States in a Globalized World](#) [Princeton University Press](#) How global organized crime shapes the politics of borders in modern conflicts Separatism has been on the rise across the world since the end of the Cold War, dividing countries through political strife, ethnic conflict, and civil war, and redrawing the political map. **Gangsters and Other Statesmen** examines the role transnational mafias play in the success and failure of separatist movements, challenging conventional wisdom about the interrelation of organized crime with peacebuilding, nationalism, and state making. Danilo Mandić conducted fieldwork in the disputed territories of Kosovo and South Ossetia, talking to mobsters, separatists, and policymakers in war zones and along major smuggling routes. In this timely and provocative book, he demonstrates how globalized mafias shape the politics of borders in torn states, shedding critical light on an autonomous nonstate actor that has been largely sidelined by considerations of geopolitics, state-centered agency, and ethnonationalism. Blending extensive archival sleuthing and original ethnographic data with insights from sociology and other disciplines, Mandić argues that organized crime can be a fateful determinant of state capacity, separatist success, and ethnic conflict. Putting mafias at the center of global processes of separatism and territorial consolidation, **Gangsters and Other Statesmen** raises vital questions and urges reconsideration of a host of separatist cases in West Africa, the Middle East, and East Europe.

Industrial Revolutions From Ctesibius to Mars [Pumbo](#) With reference to artefactual archaeological evidence and surviving manuscript documentation of the *Hydraulis*, I find that a new dialectical discussion might better analyze and address the underlying understanding of the Steam Engines' longitudinal provenance, and therefore, requires a redefinition the origins of Industrial Revolutions themselves from Ctesibius to the exploration of Mars.

Nelson Textbook of Pediatrics E-Book [Elsevier Health Sciences](#) After more than 75 years, **Nelson Textbook of Pediatrics** remains your indispensable source for definitive, state-of-the-art answers on every aspect of pediatric care. Embracing the new advances in science as well as the time-honored art of pediatric practice, this classic reference provides the essential information that practitioners and other care providers involved in pediatric health care throughout the world need to understand to effectively address the enormous range of biologic, psychologic, and social problems that our children and youth may face. Brand-new chapters and comprehensive revisions throughout ensure that you have the most recent information on diagnosis and treatment of pediatric diseases based on the latest recommendations and methodologies. Form a definitive diagnosis and create the best treatment plans possible using evidence-based medicine and astute clinical experiences from leading international authors—many new to this edition. A NEW layout provides superior portability and exceptional ease of use. Gain a more complete perspective. Along with a broader emphasis on imaging and molecular diagnoses and updated references, the new edition includes an increased focus on international issues to ensure relevance in pediatrics practice throughout the world. Effectively apply the latest techniques and approaches

with complete updates throughout 35 new chapters, including: Innovations in Addressing Child Health and Survival in Low Income Settings; Developmental Domains and Theories of Cognition; The Reggio Emilia Educational Approach; Catatonia ; Refeeding Syndrome; Altitude-associated Illness; Genetic Approaches to Rare and Undiagnosed Diseases; Healthcare-Associated Infections; Intrapartum and Peripartum Infections; Bath salts and other drugs of abuse; Small Fiber Polyneuropathy; Microbiome; *Kingella kingae*; Mitochondrial Neurogastrointestinal Encephalomyopathy; Nonalcoholic Fatty Liver Disease; Plagiocephaly; CNS Vasculitis; Anterior Cruciate Ligament Rupture; and Sports-Related Traumatic Brain Injury. Recognize, diagnose, and manage genetic and acquired conditions more effectively. A new Rehabilitation section with 10 new chapters, including: Evaluation of the Child for Rehabilitative Services; Severe Traumatic Brain Injury; Spinal Cord Injury and Autonomic Crisis Management; Spasticity; Birth Brachial Plexus Palsy; Traumatic and Sports-Related Injuries; Meningocele; Health and Wellness for Children with Disabilities. Manage the transition to adult healthcare for children with chronic diseases through discussions of the overall health needs of patients with congenital heart defects, diabetes, and cystic fibrosis. Understand the principles of therapy and which drugs and dosages to prescribe for every disease. **Abeloff's Clinical Oncology E-Book** [Elsevier Health Sciences](#) Practical and clinically focused, **Abeloff's Clinical Oncology** is a trusted medical reference book designed to capture the latest scientific discoveries and their implications for cancer diagnosis and management of cancer in the most accessible manner possible. **Abeloff's** equips everyone involved - from radiologists and oncologists to surgeons and nurses - to collaborate effectively and provide the best possible cancer care. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Select the most appropriate tests and imaging studies for cancer diagnosis and staging of each type of cancer, and manage your patients in the most effective way possible by using all of the latest techniques and approaches in oncology. Enhance your understanding of complex concepts with a color art program that highlights key points and illustrates relevant scientific and clinical problems. Stay at the forefront of the latest developments in cancer pharmacology, oncology and healthcare policy, survivorship in cancer, and many other timely topics. See how the most recent cancer research applies to practice through an increased emphasis on the relevance of new scientific discoveries and modalities within disease chapters. Streamline clinical decision making with abundant new treatment and diagnostic algorithms as well as concrete management recommendations. Take advantage of the collective wisdom of preeminent multidisciplinary experts in the field of oncology, including previous **Abeloff's** editors John E. Niederhuber, James O. Armitage, and Michael B. Kastan as well as new editors James H. Doroshow from the National Cancer Institute and Joel E. Tepper of **Gunderson & Tepper: Clinical Radiation Oncology**. Quickly and effortlessly access the key information you need with the help of an even more user-friendly, streamlined format. Access the complete contents anytime, anywhere at Expert Consult, and test your mastery of the latest knowledge with 500 online multiple-choice review questions. **Hunter's Tropical Medicine and Emerging Infectious Disease E-Book** [Elsevier Health Sciences](#) **Hunter's Tropical Medicine and Emerging Infectious Disease** is your comprehensive, go-to resource on the health conditions that arise in the tropics! From infectious diseases through environmental issues, poisoning and toxicology, animal injuries, and nutritional and micronutrient deficiencies, this medical reference book provides you with all the guidance you need to diagnose and manage even the most exotic health concerns. Stay at the forefront of this ever-changing field with **Hunter's Tropical Medicine and Emerging Infectious Disease**! Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Understand the common characteristics and methods of transmission for each disease, and learn all the applicable diagnosis, treatment, control, and prevention techniques. Get the information you need in the most organized way with infectious agents arranged by syndromes, as they typically present. Stay abreast of the latest maladies seen in returning travelers through useful chapters on delusional parasitosis, international adoptions, transplant patients, medical tourism, and more. Access the most up-to-date information on emerging and re-emerging diseases (such as H1N1), and see how progression occurs through all-new illustrative life cycles. Hone your techniques with a new skills-based section which includes dentistry, neonatal pediatrics and ICMI, and surgery in the tropics, and a service-based section covering transfusion in resource-poor settings, microbiology, and imaging. Learn everything you need to know about infrequently encountered tropical drugs and their practical application in the clinical setting. **Benzel's Spine Surgery Techniques, Complication Avoidance, and Management** [Elsevier Health Sciences](#) Written and edited by world-renowned experts in the field, **Benzel's Spine Surgery: Techniques, Complication Avoidance and Management, 5th Edition**, provides expert, step-by-step guidance on the evaluation and management of disorders of the spine. This definitive, two-volume work explores the full spectrum of techniques used in spine surgery, giving you the tools you need to hone your skills and increase your knowledge in this challenging area. Clearly organized and extensively revised throughout, it features contributions from both neurosurgeons and orthopaedic surgeons to present a truly comprehensive approach to spine disease. Offers a thorough overview of the effective management of patients with spinal disorders, including fundamental principles, biomechanics, applied anatomy, instrumentation, pathophysiology of spinal disorders, surgical techniques, motion preservation strategies, non-surgical management, and complication avoidance and management, as well as controversies. Focuses on both pathophysiology and surgical treatment of spine disease, with an increased emphasis on minimally invasive surgery. Contains new features such as key points boxes at the beginning of chapters and algorithms to help streamline the decision making process. Covers today's hot topics in spine surgery, such as health economics, artificial intelligence, predictive analytics, new less invasive techniques including endoscopic spine surgery, and the future of spine surgery. Provides expert coverage of key topics including biomechanics of motion preservation techniques, spinal injuries in sports, biologics in spine fusion surgery, anterior sub-axial cervical fixation and fusion techniques, complex lumbosacropelvic fixation techniques, and many more. Features more than 1,500 high-quality illustrations, as well as new procedural videos on en bloc spondylectomy, minimally invasive endoscopic posterior cervical foraminotomy, cervical total disc replacement, minimally invasive lumbar decompression of stenosis, and more. On the Digital Semiosphere Culture, Media and

Science for the Anthropocene [Bloomsbury Publishing USA](#) It is only since global media and digital communications became accessible to ordinary populations — with Telstar, jumbo jets, the pc and mobile devices — that humans have been able to experience their own world as planetary in extent. What does it mean to be one species on one planet, rather than a patchwork of scattered, combative and mutually untranslatable cultures? One of the most original and prescient thinkers to tackle cultural globalisation was Juri Lotman (1922-93). On the Digital Semiosphere shows how his general model of the semiosphere provides a unique and compelling key to the dynamics and functions of today's globalised digital media systems and, in turn, their interactions and impact on planetary systems. Developing their own reworked and updated model of Lotman's evolutionary and dynamic approach to the semiosphere or cultural universe, the authors offer a unique account of the world-scale mechanisms that shape media, meanings, creativity and change — both productive and destructive. In so doing, they re-examine the relations among the contributing sciences and disciplines that have emerged to explain these phenomena, seeking to close the gap between biosciences and humanities in an integrated 'cultural science' approach.

Common Pain Conditions - E-Book [Elsevier Health Sciences](#) Learn to treat pain naturally using evidence-based therapies with Micozzi's Common Pain Conditions: A Clinical Guide to Natural Treatments. This groundbreaking title provides in-depth information on current natural pain therapies that utilize the latest 21st scientific ideas, including the role of energy in medicine. Each chapter provides content on the biology and neuroscience, as well as social, psychological, and spiritual aspects of each natural treatment approach along with clinical data and pragmatic information about healing pain using these treatments. Whether your patients are suffering from anxiety, arthritis, back pain, chronic fatigue, depression, fibromyalgia, irritable bowel, migraine and tension headaches, phantom pain, post-traumatic stress, ulcers, or just general chronic pain and inflammatory conditions, this book offers the insights and evidence-based guidance you need to successfully treat pain naturally. Coverage of safe and effective natural treatments for common pain conditions provides a wide variety of options for treating the conditions that practitioners most encounter in practice. Evidence-based approach focuses on natural treatments best supported by clinical trials and scientific evidence. Experienced medical educator and author Marc S. Micozzi, MD, PhD, lends extensive experience researching natural therapies. Case studies illustrate specific points and provide clinical applications for added context. Sidebars and in-text boxes feature supplementary, brief background and observations in addition to covering specific topics in detail, and to help introduce complex and challenging topics. Psychometric Evaluation interactive appendix aids in matching each patient to the right, individualized specific remedies. Suggested readings and references for each chapter provide great resources for further research.

What works in reducing inequalities in child health? [Policy Press](#)

Greene's Infectious Diseases of the Dog and Cat - E-Book [Elsevier Health Sciences](#) Greene's Infectious Diseases of the Dog and Cat, 5th Edition provides a comprehensive, clinically useful reference on the management of infectious diseases caused by viruses, bacteria (including rickettsiae, chlamydiae, mycoplasmas, and spirochetes), fungi, algae, protozoa, parasites, and other atypical agents. Each section guides the reader through diagnostic testing for specific infectious diseases, from specimen collection to laboratory submission to interpretation of results to appropriate treatment measures. Full-color illustrations and hundreds of tables provide convenient access to diagnostic and therapeutic recommendations, along with the appropriate drug dosages for effective treatment and prevention. A fully searchable enhanced eBook version is included with print purchase, allowing access to all of the text and figures on a variety of digital devices. More than 150 internationally recognized experts contribute chapters on topics in their field of specialty. Clear and logical organization of chapters provides a solid basis for an approach to diseases caused by specific pathogens, with the first part of the book including sections on diagnostic approaches, treatments (including recommended antimicrobial drug doses), and prevention. Specific pathogens are addressed in the second part of the book, using a structured approach that includes etiology/epidemiology (relevance to wildlife animal hosts, role of the environment), clinical and laboratory findings, treatment, prevention, and public health implications. Case examples illustrate principles and highlight how the material can be applied. More than 800 clinical images, maps, life cycles, and photomicrographs assist with accurate understanding of epidemiology, pathogenesis, diagnosis of disease, and disease prevention. Visually appealing maps and life-cycle drawings enhance your comprehension and retention of the material. Convenient drug dosage tables in each chapter provide complete prescribing information; chapters on antimicrobial drugs in the first part of the book summarize pharmacokinetics, indications, contraindications, handling and administration guidelines; and dosage recommendations are made for antivirals, antibacterials, antifungals, antiprotozoals, and antiparasitic drugs. The book emphasizes approaches to optimize antimicrobial stewardship. Clinical Problems section helps you understand what infectious diseases should be considered in animals seen with clinical signs relating to different organ systems. Suggested readings and references are listed in each chapter, facilitating further research and study. Fully searchable enhanced eBook version is included with print purchase, allowing access to all of the text and figures on a variety of digital devices.

The Art of Failure An Essay on the Pain of Playing Video Games [MIT Press](#) An exploration of why we play video games despite the fact that we are almost certain to feel unhappy when we fail at them. We may think of video games as being "fun," but in The Art of Failure, Jesper Juul claims that this is almost entirely mistaken. When we play video games, our facial expressions are rarely those of happiness or bliss. Instead, we frown, grimace, and shout in frustration as we lose, or die, or fail to advance to the next level. Humans may have a fundamental desire to succeed and feel competent, but game players choose to engage in an activity in which they are nearly certain to fail and feel incompetent. So why do we play video games even though they make us unhappy? Juul examines this paradox. In video games, as in tragic works of art, literature, theater, and cinema, it seems that we want to experience unpleasantness even if we also dislike it. Reader or audience reaction to tragedy is often explained as catharsis, as a purging of negative emotions. But, Juul points out, this doesn't seem to be the case for video game players. Games do not purge us of unpleasant emotions; they produce them in the first place. What, then, does failure in video game playing do? Juul argues that failure in a game is unique in that when you fail in

a game, you (not a character) are in some way inadequate. Yet games also motivate us to play more, in order to escape that inadequacy, and the feeling of escaping failure (often by improving skills) is a central enjoyment of games. Games, writes Juul, are the art of failure: the singular art form that sets us up for failure and allows us to experience it and experiment with it. *The Art of Failure* is essential reading for anyone interested in video games, whether as entertainment, art, or education. *Alexander's Nursing Practice E-Book Hospital and Home* [Elsevier Health Sciences](#) The latest edition of this popular volume has been fully updated throughout to meet the needs of the 2018 NMC Standards of Proficiency. Richly illustrated throughout, the book comes with 'real-life' Case Studies to help readers contextualise and apply new information, pathophysiology to explain disease processes, enhanced discussion of pharmacology and medicines management to assist with 'prescribing readiness', and helpful learning features which include Key Nursing Issues and Reflection and Learning - What Next? Available with a range of supplementary online tools and learning activities, *Alexander's Nursing Practice*, fifth edition, will be ideal for all undergraduate adult nursing students, the Trainee Nursing Associate, and anyone returning to practice. New edition of the UK's most comprehensive textbook on *Adult Nursing!* Retains the popular 'three-part' structure to ensure comprehensive coverage of the subject area - Common Disorders, Core Nursing Issues and Specific Patient Groups Illustrative A&P and pathophysiology help explain key diseases and disorders 'Real-life' Case Studies help contextualise and apply new information Explains relevant tests and investigations and, when needed, the role of the nurse in the context of each of them Helpful learning features include Key Nursing Issues and Reflection and Learning - What Next? Encourages readers to critically examine issues that are related to care provision Useful icons throughout the text directs readers to additional online material Glossary contains over 300 entries to explain new terminology and concepts Appendices include notes on Système International (SI) units and reference ranges for common biochemical and haematological values Perfect for second and third-year undergraduate nursing students, senior Trainee Nursing Associates, those 'returning to practice' or needing to review practice and prepare for revalidation Edited by the world-renowned Ian Peate - editor of the *British Journal of Nursing* - who brings together a new line up of contributors from across the UK and Australia Reflects contemporary issues such as the complexity of acute admissions and the increasing importance of the multidisciplinary approach to patient care Reflects the 2018 NMC Standards of Proficiency for Nurses and the NMC 2018 Code Helps prepare students for 'prescribing readiness', with basic principles of pharmacology, evidence-based person-centred approaches to medicines management and an understanding of the regulatory, professional legal and ethical frameworks Recognises the introduction of the Nursing Associate role in England *The FORA Framework A Fuzzy Grassroots Ontology for Online Reputation Management* [Springer Science & Business Media](#) Online reputation management deals with monitoring and influencing the online record of a person, an organization or a product. The Social Web offers increasingly simple ways to publish and disseminate personal or opinionated information, which can rapidly have a disastrous influence on the online reputation of some of the entities. The author focuses on the Social Web and possibilities of its integration with the Semantic Web as resource for a semi-automated tracking of online reputations using imprecise natural language terms. The inherent structure of natural language supports humans not only in communication but also in the perception of the world. Thereby fuzziness is a promising tool for transforming those human perceptions into computer artifacts. Through fuzzy grassroots ontologies, the Social Semantic Web becomes more naturally and thus can streamline online reputation management. For readers interested in the cross-over field of computer science, information systems, and social sciences, this book is an ideal source for becoming acquainted with the evolving field of fuzzy online reputation management in the Social Semantic Web area. *Aquaculture Virology* [Academic Press](#) To date textbooks on viruses infecting fish, crustaceans and molluscs, the three main aquatic animal farmed groups, have been on the whole "diseases-centric and individual viral diseases selected based on "epizoo-centric approaches with little to no coverage of the basic biology of the viruses, in contrast to textbooks on viruses infecting terrestrial - farmed, pet, and free-range (wild) - animals and humans. Despite considerable advances in animal virology in recent years coupled with an economically important global aquaculture industry, knowledge of viruses of animal aquaculture is still sparse and in some cases outdated although these viruses are closely related to well-known virus families. The last book in fish virology (*Fish viruses and fish viral diseases 1988*, Wolf, K.) was published in the 1980s. A lot of work has been done on fish viruses and many new aquatic animal viruses continue to be discovered. *Aquaculture Virology* provides the current state of knowledge of aquatic animal viruses within the current virus classification and taxonomic context thereby allowing the reader to draw on the principles of general virology. This book is a systematic and concise resource useful to anyone involved with or looking to move into aquaculture and fisheries. Clinical veterinarians, aquaculture disease practitioners, biologists, farmers, and all those in industry, government or academia who are interested in aquatic animal virology will find this book extremely useful. Provides unique comprehensive information on animal viruses for aquaculture and fisheries Presents high quality illustrations of viral structure, diagrams of viral disease processes, gross pathology and histopathology lesions, and summary tables to aid in understanding Describes aquatic animal viruses of the three major aquatic animals, fish, crustaceans, and molluscs, within the current virus classification and taxonomic context thereby allowing the reader to draw on the principles of general virology