

The Merk Index 12 Edition

The world's most widely used medical reference is now better than ever! For its 19th Edition, the Merck Manual of Diagnosis and Therapy has been thoroughly updated and thoughtfully expanded, with more than 850 additional pages, 15 new chapters, over 300 new tables, and 56 new figures. Packed with essential information on diagnosing and treating medical disorders, this handy, compact guide was written by a team of clinicians for everyday use by medical professionals for delivery of the best care to their patients. Designed for maximum clinical utility, the new Merck Manual of Diagnosis and Therapy 19th edition makes it easy to find the right information, right when it is needed. It is a must-have for medical students, residents, practicing physicians, nurses, and allied health professionals. Free 1-year Mobile App Access when you purchase the printed manual. The Skyscape mobile version, available for Blackberry® and Android™ devices, the iPhone® and Windows Mobile® phones, and other popular platforms, uses technology to transform the answers found in The Merck Manual into action.

Starting with an overview of the theory behind - and demonstrations of the effect of - electric fields on structure and reactivity, this accessible reference work aims to encourage those new to the field to consider harnessing these effects in their own work.

Celebrating the 100th anniversary of the CRC Handbook of Chemistry and Physics, this 94th edition is an update of a classic reference, mirroring the growth and direction of science for a century. The Handbook continues to be the most accessed and respected scientific reference in the science, technical, and medical communities. An authoritative resource consisting of

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tables of data, its usefulness spans every discipline. Originally a 116-page pocket-sized book, known as the Rubber Handbook, the CRC Handbook of Chemistry and Physics comprises 2,600 pages of critically evaluated data. An essential resource for scientists around the world, the Handbook is now available in print, eBook, and online formats. New tables: Section 7: Biochemistry Properties of Fatty Acid Methyl and Ethyl Esters Related to Biofuels Section 8: Analytical Chemistry Gas Chromatographic Retention Indices Detectors for Liquid Chromatography Organic Analytical Reagents for the Determination of Inorganic Ions Section 12: Properties of Solids Properties of Selected Materials at Cryogenic Temperatures Significantly updated and expanded tables: Section 3: Physical Constants of Organic Compounds Expansion of Diamagnetic Susceptibility of Selected Organic Compounds Section 5: Thermochemistry, Electrochemistry, and Solution Chemistry Update of Electrochemical Series Section 6: Fluid Properties Expansion of Thermophysical Properties of Selected Fluids at Saturation Major expansion and update of Viscosity of Liquid Metals Section 7: Biochemistry Update of Properties of Fatty Acids and Their Methyl Esters Section 8: Analytical Chemistry Major expansion of Abbreviations and Symbols Used in Analytical Chemistry Section 9: Molecular Structure and Spectroscopy Update of Bond Dissociation Energies Section 11: Nuclear and Particle Physics Update of Summary Tables of Particle Properties Section 14: Geophysics, Astronomy, and Acoustics Update of Atmospheric Concentration of Carbon Dioxide, 1958-2012 Update of Global Temperature Trend, 1880-2012 Major update of Speed of Sound in Various Media Section 15: Practical Laboratory Data Update of Laboratory Solvents and Other Liquid Reagents Major update of Density of Solvents as a Function of Temperature Major update of Dependence of Boiling Point on Pressure Section 16: Health and

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Safety Information Major update of Threshold Limits for Airborne Contaminants Appendix A: Major update of Mathematical Tables Appendix B: Update of Sources of Physical and Chemical Data

Now in paperback—the most comprehensive home health reference bestseller Millions of people around the world have relied on The Merck Manual Home Health Handbook for quick access to authoritative, accessible health information. Written by more than 300 internationally respected medical experts, this comprehensive medical resource features extensive, up-to-date coverage of health care for newborns, the elderly, and everyone in between. Contains reliable, up-to-date information on a broad range of medical conditions, illnesses, and situations, including accidents and injuries, aging, cancer, diabetes, digestive disorders, heart disease, mental health disorders, and many others Covers men's, women's, pediatric (both newborns and older children), and geriatric health issues Well organized and extensively indexed to make information easy to find An extraordinary bargain at a penny a page The Merck Manual Home Health Handbook is filled with essential medical information that's both easy to find and easy to understand in order to help you communicate more effectively with your doctor, understand a diagnosis or treatment option, or simply know more about your health and the health of those you care about.

This powerhouse best-selling text remains the most comprehensive, up-to-date guide to the music industry. The breadth of coverage that Music Business Handbook and Career Guide, Eleventh Edition offers surpasses any other resource available. Readers new to the music business and seasoned professionals alike will find David Baskerville and Tim Baskerville's handbook an indispensable resource, regardless of their specialty within the music field. This

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text is ideal for introductory courses such as Introduction to the Music Business, Music and Media, and Music Business Foundations as well as more specialized courses such as the record industry, music careers, artist management, and more. The fully updated Eleventh Edition includes coverage of key topics such as copyright, licensing, songwriting, concert venues, and the entrepreneurial musician. Uniquely, it provides career-planning insights on dozens of job categories in the diverse music industry.

Science of Synthesis provides a critical review of the synthetic methodology developed from the early 1800s to date for the entire field of organic and organometallic chemistry. As the only resource providing full-text descriptions of organic transformations and synthetic methods as well as experimental procedures, Science of Synthesis is therefore a unique chemical information tool. Over 1000 world-renowned experts have chosen the most important molecular transformations for a class of organic compounds and elaborated on their scope and limitations. The systematic, logical and consistent organization of the synthetic methods for each functional group enables users to quickly find out which methods are useful for a particular synthesis and which are not. Effective and practical experimental procedures can be implemented quickly and easily in the lab.// The content of this e-book was originally published in May 2002.

Natural products play an integral and ongoing role in promoting numerous aspects of scientific advancement, and many aspects of basic research programs are intimately related to natural products. The significance, therefore, of the Studies in Natural Product Chemistry series, edited by Professor Atta-ur-Rahman, cannot be overestimated. This volume, in accordance with previous volumes, presents us with cutting-edge contributions of great importance.

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Master problem-solving using this manual's worked-out solutions for all the starred problems in the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This volume evaluates carcinogenicity of 19 chemicals to humans that are carcinogenic to the thyroid follicular-cell epithelium in rodents. These include "anti-thyroid" drugs, sedatives and chemicals used in agriculture, in foods and cosmetics.

In this laboratory textbook for students of organic chemistry, experiments are designed to utilize standard-scale ("macroscale") glassware and equipment but with smaller amounts of chemicals and reagents. The textbook features a large number of traditional organic reactions and syntheses, as well as the isolation of natural products and experiments with a biological or health sciences focus. The organization of the text is based on essays and topics of current interest. Contains a comprehensive treatment of laboratory techniques including both small-scale and some microscale methods.

Bridging the gap between theory and application, this book will be invaluable to anyone wishing to broaden their knowledge of applied chemistry.

Catalysis has always been part of the development of mankind; from the

fermentation of alcoholic drinks, through the development of fertilisers in the agricultural revolution and production of bulk chemicals in the 20th Century. Today, society demands improved production routes with greater product output and energy efficiency; the ultimate goal to achieving this would be having all catalytic reactions in concert, effectively functioning like a biological cell. Metal organic frameworks (MOFs) are a relatively new type of hybrid material. Their crystalline porous structure, built up from organic and inorganic building blocks, presents a vast array of composition, porosity and functionality offering enormous potential in catalytic systems. This book examines the latest research and discovery in the use of MOFs in catalysis, highlighting the extent to which these materials have been embraced by the community. Beyond presenting a digest of recent research by major players in the field, the book presents the strategies behind recent developments, providing a lasting reference for seasoned researchers and newcomers to the field.

This new Handbook provides a series of reference guides to cleaner production methods, technologies, and practices for key industry sectors. Each volume covers, for each industry sector: * the manufacturing technologies * waste management * pollution * methods for estimating and reporting emissions * treatment and control technologies * worker and community health risk

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exposures * cost data for pollution management * cleaner production and prevention alternatives Best Practices in the Wood and Paper Industries provides an overview of the forestry, wood preserving, pulp and paper industries and identifies the key environmental aspects, supported by case studies of major incidents. It provides general explanations of the major unit operations and processes in pulp and paper mills and wood treating plants, covering new trends alongside traditional methods. The environmental issues regarding air, water and solid waste are all addressed, identifying all US plants and their TRI data, and the authors provide calculation methods for properly accounting for air emissions and P2 practices to reduce them. Provides guidelines on cleaner production and pollution prevention practices for improving overall environmental performance Discusses emerging technologies and processes for cleaner air Contains an Inventory of Chemical Toxicity Properties

The C-C bond is a basic building block in chemistry and its formation is often the first step towards building more complex molecules. The direct generation of C-C bonds from C-H by cross-dehydrogenative-coupling (CDC) reactions in 2003 has presented a paradigm shift towards more efficient synthetic design, and over the last decade this has become a hot topic in Green Chemistry. This edited book presents a summary of the latest developments in the formation of C-C bonds

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direct from two different C-H bonds via oxidative dehydrogenative couplings. The editor, (CJ Li, McGill University) has pioneered various copper and organo-catalyzed CDC reactions within his Green Chemistry and Organic Synthesis group, and has brought together expertise from across the world to present the various CDC reactions being used today. Practicing synthetic chemists seeking to improve the efficiency of their reactions will benefit from this approach, while students and those wishing to adopt these reactions will gain a thorough understanding of the field. The conclusions presented at the end of the book will inspire all readers to the future opportunities in the field.

This book provides a broad, mature, and systematic introduction to current financial econometric models and their applications to modeling and prediction of financial time series data. It utilizes real-world examples and real financial data throughout the book to apply the models and methods described. The author begins with basic characteristics of financial time series data before covering three main topics: Analysis and application of univariate financial time series The return series of multiple assets Bayesian inference in finance methods Key features of the new edition include additional coverage of modern day topics such as arbitrage, pair trading, realized volatility, and credit risk modeling; a smooth transition from S-Plus to R; and expanded empirical financial data sets.

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The overall objective of the book is to provide some knowledge of financial time series, introduce some statistical tools useful for analyzing these series and gain experience in financial applications of various econometric methods.

Award-winning journalist and New York Times bestselling author Gerald Posner reveals the heroes and villains of the trillion-dollar-a-year pharmaceutical industry and delivers “a withering and encyclopedic indictment of a drug industry that often seems to prioritize profits over patients (The New York Times Book Review). Pharmaceutical breakthroughs such as antibiotics and vaccines rank among some of the greatest advancements in human history. Yet exorbitant prices for life-saving drugs, safety recalls affecting tens of millions of Americans, and soaring rates of addiction and overdose on prescription opioids have caused many to lose faith in drug companies. Now, Americans are demanding a national reckoning with a monolithic industry. “Gerald’s dogged reporting, sets Pharma apart from all books on this subject” (The Washington Standard) as we are introduced to brilliant scientists, incorruptible government regulators, and brave whistleblowers facing off against company executives often blinded by greed. A business that profits from treating ills can create far deadlier problems than it cures. Addictive products are part of the industry’s DNA, from the days when corner drugstores sold morphine, heroin, and cocaine, to the past two decades of

dangerously overprescribed opioids. Pharma also uncovers the real story of the Sacklers, the family that became one of America's wealthiest from the success of OxyContin, their blockbuster narcotic painkiller at the center of the opioid crisis. Relying on thousands of pages of government and corporate archives, dozens of hours of interviews with insiders, and previously classified FBI files, Posner exposes the secrets of the Sacklers' rise to power—revelations that have long been buried under a byzantine web of interlocking companies with ever-changing names and hidden owners. The unexpected twists and turns of the Sackler family saga are told against the startling chronicle of a powerful industry that sits at the intersection of public health and profits. “Explosively, even addictively, readable” (Booklist, starred review), Pharma reveals how and why American drug companies have put earnings ahead of patients.

This title was first published in 2001: In the early twentieth century the relevance of chirality to the pharmaceutical industry was established by the fact that one enantiomer of hyoscyamine possessed greater pharmacological activity than the other. Today, most new drugs and those under development consist of a single optically active isomer, and chirality is also becoming an issue for the agrochemical and other industries. Regulatory agencies throughout the world are currently reviewing the importance of chirality with regard to pharmaceutical and

agrochemical products. New guidelines from such agencies have been key drivers for the focus on single enantiomer products in these industries. These scientific and regulatory developments have created the need for a guide for workers in the pharmaceutical and chemical industries seeking information on chiral molecules, processes, and commercially available chiral chemicals. Chiral Drugs is a comprehensive listing of over 2500 chiral drugs, classified by therapeutic class, and including structures and physical properties for each entry in the listing. Its companion volume, Chiral Intermediates, presents the same detailed information for over 4700 commercially available chiral chemicals. The 'Chiral Pool' of readily available, relatively inexpensive chiral compounds has been expanding at a rapid rate as more and more products are produced in large quantities at economical prices. New developments in various technologies for isolating, preparing, and purifying chiral materials have greatly increased the opportunities for utilizing optically pure compounds in commercial applications. Novel techniques for classical resolution, new methodologies for developing selective enzymes for biocatalysis, advances in the application of microorganisms for chemical production, and continued progress in the area of asymmetric synthesis have all contributed to the growth of this field. Part One of each book contains four chapters which provide an introduction to topics relevant

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to the field of chiral chemistry and includes a brief overview of chirality, a short discussion on the current market drivers in the area of chiral chemistry, and a basic presentation of the various sources and methods for obtaining chiral compounds. Part Two presents entries for over 2500 chiral drugs, classified by therapeutic class. For each main entry, the chemical name and a list of trade names and synonyms is provided; the CAS Registry Number, the European Inventory of Existing Commercial Chemical Substances (EINECS) number, and the Merck Index (12th edition) number are given when available. The physical properties, including specific rotation, of each compound are described and indicated applications are presented. The structure of nearly every compound is provided, and the manufacturers and suppliers of the compounds are also given. Indexes, including a master index of names and synonyms and an index of custom manufacturing services for production of chiral compounds, are appended. Chiral Drugs provides an introduction to the types of sources and methods currently in use for obtaining chiral molecules and is an invaluable resource for researchers in the pharmaceutical and biotechnology sectors as well as to those working in the basic biochemical sciences. Chiral Intermediates provides an introduction to the types of sources and methods currently in use for obtaining chiral molecules and is an invaluable resource for information on

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available chiral molecules. Chiral Intermediates and Chiral Drugs are the most comprehensive and detailed guides to chiral compounds available.

The Merck Manual Go-To Home Guide for Symptoms takes complex medical information and makes it easy to understand and accessible to an everyday audience. It covers a wide range of everyday symptoms, from abdominal pain to wheezing, and almost everything in between. Every section provides a comprehensive look at each symptom's Causes: both common and less-common, Evaluation: warning signs, when to see a doctor, what the doctor does, and testing, Treatment: a wide-array of options, and Key points: the most important information about the symptom. It also includes helpful tables and illustrations. Organized in a (2- color, 500 page) paperback format makes it easy for busy families to quickly find the information they need. Symptoms covered include: Back Pain, Cough, Fatigue, Fever, Headache, Heartburn, Itching, Joint Pain, Nausea, Swelling and many more....

Sex Differences in Cardiovascular Physiology and Pathophysiology is a comprehensive look into the often overlooked and underappreciated fundamental sex differences between men and women and how those differences affect the cardiovascular system. It covers cardiovascular function, anatomy, cell signaling and the development of pathology. With contributions from world-renowned

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research investigators, this up-to-date reference compiles critical knowledge on cardiovascular sex differences, providing researchers and clinicians with a better understanding of the diagnosis, prevention and treatment of cardiovascular diseases in both men and women. Identifies the fundamental sex differences in the physiology and pathophysiology of the cardiovascular system Describes cell signaling pathways involved in sex-associated cardiovascular function and diseases Puts the sex differences in cardiovascular diseases in the forefront to improve cardiovascular prognoses

This is thirty-fifth edition of Martindale, which provides reliable, and evaluated information on drugs and medicines used throughout the world. It contains encyclopaedic facts about drugs and medicines, with: 5,500 drug monographs; 128,000 preparations; 40,700 reference citations; 10,900 manufacturers. There are synopses of disease treatments which enables identification of medicines, the local equivalent and the manufacturer. It also Includes herbals, diagnostic agents, radiopharmaceuticals, pharmaceutical excipients, toxins, and poisons as well as drugs and medicines. Based on published information and extensively referenced

The Merck Index is a one-volume encyclopedia of chemicals, drugs and biologicals that contains more than 10,000 monographs. Each monograph in this

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authoritative reference source is a concise description of a single substance or a small group of closely related compounds. Compounds included: • human and veterinary drugs • biotech drugs and monoclonal antibodies • substances used for medical imaging • biologicals and natural products • plants and traditional medicines • nutraceuticals and cosmeceuticals • agriculturals, pesticides and herbicides • Organic chemicals used in research • Food additives and supplements • dyes, colors and indicators • environmentally significant substances Information provided: • chemical, common and generic names • Over 15,000 trademarks and associated companies • CAS Registry Numbers for over 12,000 compounds • Over 8,500 chemical structures • molecular formulae, weights and percentage composition • capsule statements identifying compound classes and scientific significance • scientific and patent literature references • physical and toxicity data • therapeutic and commercial uses • caution and hazard information In addition, there are more than 700 new and completely revised monographs, thousands of new references, trademarks and uses added to existing monographs. Now includes a companion CD-ROM which features 989 monographs no longer available in print, organic name reactions, supplemental tables and a new user interface for user-friendly searching. Features of the CD: Searchable by keywords, references, and numerical properties Search the

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complete contents of the 14th edition, plus nearly a thousand monographs archived from previous editions Comes with a free one-year subscription to the Merck Index Internet Edition Windows-compatible CD powered by CambridgeSoft's ChemFinder Extensively revised supplemental tables now including acronyms, vaccines, and physical constants More than 70 pages of hard to find information in one easy-to-use place

In the time since the second edition of The ACS Style Guide was published, the rapid growth of electronic communication has dramatically changed the scientific, technical, and medical (STM) publication world. This dynamic mode of dissemination is enabling scientists, engineers, and medical practitioners all over the world to obtain and transmit information quickly and easily. An essential constant in this changing environment is the requirement that information remain accurate, clear, unambiguous, and ethically sound. This extensive revision of The ACS Style Guide thoroughly examines electronic tools now available to assist STM writers in preparing manuscripts and communicating with publishers.

Valuable updates include discussions of markup languages, citation of electronic sources, online submission of manuscripts, and preparation of figures, tables, and structures. In keeping current with the changing environment, this edition also contains references to many resources on the internet. With this wealth of

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new information, The ACS Style Guide's Third Edition continues its long tradition of providing invaluable insight on ethics in scientific communication, the editorial process, copyright, conventions in chemistry, grammar, punctuation, spelling, and writing style for any STM author, reviewer, or editor. The Third Edition is the definitive source for all information needed to write, review, submit, and edit scholarly and scientific manuscripts.

Ion Exchange, 2nd Edition is a totally revised and updated version of the highly popular Monograph for Teachers, first published by The Royal Society of Chemistry in 1975. It covers the practical application of ion exchange and the synthesis of organic ion exchange resins, which have spanned nearly 60 years of development since the pioneering work of Adams and Holmes in 1935. This book covers the theory, development, and application in considerable detail and describes the history of development of ion exchange materials and the advances in their utilization in industrial processes. Key applications in such areas as water purification, hydrometallurgy, and chromatography are described and supported by chapters on the related scientific fundamentals governing equilibria and kinetics of ion exchange. Twenty-two experiments using inexpensive equipment are detailed, which not only complement a chapter dedicated to the characterization of organic exchangers, but also serve to

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illustrate several other pure and applied principles related to ion exchange phenomena. It is anticipated that the unique inclusion of experiments and the broad coverage of the whole text should appeal to a wide readership and offer particular relevance to practitioners in schools, colleges, and industry. Innovative technologies are changing the way research is performed, preserved, and communicated. *Managing Scientific Information and Research Data* explores how these technologies are used and provides detailed analysis of the approaches and tools developed to manage scientific information and data. Following an introduction, the book is then divided into 15 chapters discussing the changes in scientific communication; new models of publishing and peer review; ethics in scientific communication; preservation of data; discovery tools; discipline-specific practices of researchers for gathering and using scientific information; academic social networks; bibliographic management tools; information literacy and the information needs of students and researchers; the involvement of academic libraries in eScience and the new opportunities it presents to librarians; and interviews with experts in scientific information and publishing. Promotes innovative technologies for creating, sharing and managing scientific content Presents new models of scientific publishing, peer review, and dissemination of information Serves as a practical guide for researchers,

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students, and librarians on how to discover, filter, and manage scientific information
Advocates for the adoption of unique author identifiers such as ORCID and ResearcherID
Looks into new tools that make scientific information easy to discover and manage
Shows what eScience is and why it is becoming a priority for academic libraries
Demonstrates how Electronic Laboratory Notebooks can be used to record, store, share, and manage research data
Shows how social media and the new area of Altmetrics increase researchers' visibility and measure attention to their research
Directs to sources for datasets
Provides directions on choosing and using bibliographic management tools
Critically examines the metrics used to evaluate research impact
Aids strategic thinking and informs decision making

If your work requires that you understand environmentally important properties of chemicals, then this databook will make your job easier. By providing you with easily accessed information on the structure and physical/chemical properties of more than 13,000 environmentally important chemicals, Handbook of Physical Properties of Organic Chemicals simplifies the task of locating and analyzing common and obscure compounds alike. One best experimental value is selected or an estimated value provided for: Melting point Boiling point Water solubility Octanol/water partition coefficient (log) Vapor pressure Disassociation constant

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Henry's law constant. These physical properties were identified from Syracuse Research Corporation's Environmental Fate Database, particularly from the DATALOG and CHEMFATE files.

In the past two decades, microscale techniques have soared in popularity because these techniques minimize exposure to potentially dangerous chemicals in the lab, drastically cut the amount of chemical waste, lower costs, and reduce risks of chemical fires and explosions. The result is a safer and healthier laboratory environment. Now, with *Microscale General Chemistry Laboratory with Selected Macroscale Experiments, Second Edition*, you can bring these techniques into your own chemistry lab. Thoroughly revised with updated experiments, the new Second Edition continues to offer a large variety of well-designed, easy-to-follow experiments, as well as thorough background information and an outstanding selection of questions and problems.

#1 NEW YORK TIMES BESTSELLER • Discover the life-changing memoir that has inspired millions of readers through the Academy Award®-winning actor's unflinching honesty, unconventional wisdom, and lessons learned the hard way about living with greater satisfaction. **NAMED ONE OF THE BEST BOOKS OF THE YEAR BY THE GUARDIAN** "McConaughey's book invites us to grapple with the lessons of his life as he did—and to see that the point was never to win,

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but to understand.”—Mark Manson, author of *The Subtle Art of Not Giving a F*ck* I’ve been in this life for fifty years, been trying to work out its riddle for forty-two, and been keeping diaries of clues to that riddle for the last thirty-five. Notes about successes and failures, joys and sorrows, things that made me marvel, and things that made me laugh out loud. How to be fair. How to have less stress. How to have fun. How to hurt people less. How to get hurt less. How to be a good man. How to have meaning in life. How to be more me. Recently, I worked up the courage to sit down with those diaries. I found stories I experienced, lessons I learned and forgot, poems, prayers, prescriptions, beliefs about what matters, some great photographs, and a whole bunch of bumper stickers. I found a reliable theme, an approach to living that gave me more satisfaction, at the time, and still: If you know how, and when, to deal with life’s challenges—how to get relative with the inevitable—you can enjoy a state of success I call “catching greenlights.” So I took a one-way ticket to the desert and wrote this book: an album, a record, a story of my life so far. This is fifty years of my sights and seens, felts and figured-outs, cools and shamefuls. Graces, truths, and beauties of brutality. Getting away withs, getting caughts, and getting wets while trying to dance between the raindrops. Hopefully, it’s medicine that tastes good, a couple of aspirin instead of the infirmary, a spaceship to Mars without needing your

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pilot's license, going to church without having to be born again, and laughing through the tears. It's a love letter. To life. It's also a guide to catching more greenlights—and to realizing that the yellows and reds eventually turn green too. Good luck.

A foundational textbook on the scientific principles of therapeutic herbalism and their application in medicine • A complete handbook for the medical practitioner • Includes the most up-to-date information on preparations, dosage, and contraindications • By the author of *The Complete Illustrated Holistic Herbal Medical Herbalism* contains comprehensive information concerning the identification and use of medicinal plants by chemical structure and physiological effect, the art and science of making herbal medicine, the limitations and potential of viewing herbs chemically, and the challenge to current research paradigms posed by complex plant medicines. It also includes information on toxicology and contraindications, the issues involved in determining dosage and formulation types for an individual, guides to the different measurement systems and conversion tables, and the pros and cons of both industrial and traditional techniques. With additional sections devoted to the principles of green medicine, the history of Western Herbalism, the variety of other medical modalities using medicinal plants, an extensive resource directory, and a discussion of treatments

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organized by body system, Medical Herbalism is the comprehensive textbook all students and practitioners of clinical herbalism need to develop their healing practices.

This title was first published in 2000: Drugs play an important role throughout the world. In industrialized countries where a formal approval process governs the introduction of new medicinal agents, thousands of chemicals are in use as drugs. This book provides a detailed picture of this marketplace. Grouped by their medicinal use and biological activity, 8,000 drugs in common use around the world are described. For each, the chemical name and a list of trade names and synonyms are provided; the CAS Registry Number and the European Inventory of Existing Chemical Substances (EINECS) Number are given; the physical properties of each compound are described, and the known biological activity and indicated applications are presented. Indexes, including a master index of name and synonyms, are appended. This compendium should be valuable to physicians, research chemists, biologists and the lay public who, with a single synonym for a drug, will be able to quickly find a thumbnail sketch of the essential information concerning the agent

The Merck Index* has been a trusted reference tool for more than a century, and it continues to be the premier resource for science and medical professionals in the new millennium. The need for enhanced resources has never been greater, and this user-friendly CD helps meet the challenges of the future by offering easy access to a vast world of information, -- both quickly and efficiently. Special features include outstanding search capabilities, including the tools to draw the structure you are interested in ON-SCREEN -- and then search for it. Text searching

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is possible in over 27 fields including:

- o Chemical, Common, Generic Names and Trademarks
- o Molecular Weights and Formulae
- o Physical and Toxicity Data
- o Citations to Scientific and Patent Literature

This comprehensive, definitive reference in the field, incorporates all of today's explosive discoveries in basic and clinical endocrinology. Its reliable, cutting-edge guidance for a full range of problems is combined with a wealth of information on the physiological, biochemical, and genetic basis at the molecular biological level. Dr. Mark A. Sperling and 33 contributing experts bring readers the benefits of discovery at the bench and its application at the bedside. New chapters, extensive revisions, and compelling updates will keep readers at the forefront of the diagnosis and management of endocrine disease in children. Incorporates the explosive growth in molecular biology as it relates to developmental and pediatric endocrinology. Extensively revised and updated chapters throughout reflect the latest information. Coverage of up-to-the-minute topics in the field, including molecular, biochemical, and clinical basis of hyperinsulinemic hypoglycemia of infancy and childhood diabetes mellitus energy balance/obesity growth hormone paradigms of mechanisms of hormone action, and others Contributions from new authors from distinguished institutions Numerous brand-new illustrations depict the most current information, particularly the basic science/genetic basis of certain entities

Targeting protein degradation using small molecules is one of the most exciting small-molecule therapeutic strategies in decades and a rapidly growing area of research. In particular, the development of proteolysis targeting chimera (PROTACs) as potential drugs capable of recruiting target proteins to the cellular quality control machinery for elimination has opened

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new avenues to address traditionally 'difficult to target' proteins. This book provides a comprehensive overview from the leading academic and industrial experts on recent developments, scope and limitations in this dynamically growing research area; an ideal reference work for researchers in drug discovery and chemical biology as well as advanced students.

Drugs: Synonyms and Properties provides comprehensive coverage of the 10,000 drugs currently in common use worldwide. Its overall organization and inclusion of detailed chemical information fills an important gap in drug information. This reference, edited by a world-renowned authority in drug design and chemical information and now in its second edition, has become one of the bibles of pharmaceutical research and application. This book organizes the 10,000 drugs currently in use by therapeutic category. Therefore all tranquilizers, all antidepressants, or all anorexic agents, for example, are grouped together. In all, 204 categories are represented. This arrangement means that all drugs in a given category can be reviewed very easily and their relative properties compared quickly. A key component of this reference is the extensive coverage of synonyms. The book includes an index of over 30,000 drug synonyms and trade names with a cross-reference to their main entry. This extraordinarily comprehensive view of trade names and generic synonyms makes Drugs: Synonyms and Properties one of the world's most exhaustive references in its field. For each main entry, the following information is provided: chemical name and a list of trade names and synonyms; the Chemical Abstracts Service (CAS) Registry Number; the European Inventory of Existing Commercial Chemical Substances (EINECS) Number; the Merck Index (Twelfth Edition) Number; the physical properties of each compound; and the known biological activity and

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indicated applications. Indexes, including a master index of names and synonyms, and of manufacturers and suppliers, are appended. This reference will be invaluable to research chemists, biologists, and physicians and to anyone interested in drugs who, starting with a single synonym for a drug, will be able to quickly find a thumbnail sketch of the essential information concerning that agent.

Clinical and Translational Science: Principles of Human Research, Second Edition, is the most authoritative and timely resource for the broad range of investigators taking on the challenge of clinical and translational science, a field that is devoted to investigating human health and disease, interventions, and outcomes for the purposes of developing new treatment approaches, devices, and modalities to improve health. This updated second edition has been prepared with an international perspective, beginning with fundamental principles, experimental design, epidemiology, traditional and new biostatistical approaches, and investigative tools. It presents complete instruction and guidance from fundamental principles, approaches, and infrastructure, especially for human genetics and genomics, human pharmacology, research in special populations, the societal context of human research, and the future of human research. The book moves on to discuss legal, social, and ethical issues, and concludes with a discussion of future prospects, providing readers with a comprehensive view of this rapidly developing area of science. Introduces novel physiological and therapeutic strategies for engaging the fastest growing scientific field in both the private sector and academic medicine Brings insights from international leaders into the discipline of clinical and translational science Addresses drug discovery, drug repurposing and development, innovative and improved approaches to go/no-go decisions in drug development, and traditional and

