

## 2011 Journal Impact Factor

Institutional repositories remain key to data storage on campus, fulfilling the academic needs of various stakeholders. Demystifying the Institutional Repository for Success is a practical guide to creating and sustaining an institutional repository through marketing, partnering, and understanding the academic needs of all stakeholders on campus. This title is divided into seven chapters, covering: traditional scholarly communication and open access publishing; the academic shift towards open access; what the successful institutional repository looks like; institutional repository collaborations and building campus relationships; building internal and external campus institutional repository relationships; the impact and value proposition of institutional repositories; and looking ahead to open access opportunities. Presents successful and creative marketing techniques of open access benefits and repositories useful to administrators, faculty, staff, and students Strategic campus and off-campus partnerships for garnering and archiving content, including metadata specialists, off-campus librarians, local/state collaborations, including case studies Specific tools for overall success of users in locating repository research (search engine optimization (SEO), analyzing Google Analytics), and more

The world of the academic journal continues to be one of radical change. A follow-up volume to the first edition of The Future of the Academic Journal, this book is a significant contribution to the debates around the future of journals publishing. The book takes an international perspective and looks ahead at how the industry will continue to develop over the next few years. With contributions from leading academics and industry professionals, the book provides a reliable and impartial view of this fast-changing area. The book includes various discussions on the future of journals, including the influence of business models and the growth of journals publishing, open access and academic libraries, as well as journals published in Asia, Africa and South America. looks at a fast moving and vital area for academics and publishers contains contributions from leading international figures from universities and publishers

BASIC ASPECTS AND RESEARCH 1. Is addiction a chronic relapsing disease? 2. In it for the long haul: recovery capital, addiction theory and the inter-generational transmission of addictive behaviour 3. Self-Medication and addictions 4. Promoting Best Practice in the drug addiction field: the EMCDDA experience 5. Chronobiology and addiction: implications for treatment and prevention SEX DIFFERENCES 6. Biological bases of sex differences in drug addiction 7. Female polydrug abuse and psychopathology - Gender differences: an overview 8. The impact of motherhood on recovery - Lessons we can learn from the treatment journeys of mothers with problematic substance misuse issues THERAPEUTIC COMMUNITIES 9. Quality of life in therapeutic communities for substance abuse 10. The essential elements of treatment: a European therapeutic communities perspective 11. MECETT, the journeymen model transferred to staff training in TC's 12. The reasons for the rise and fall of the Bremberg empire SOCIAL AND POLITICAL FACTORS 13. The United Nations and drug demand reduction policies 14. Factors for effective long-term recovery: risk and challenges during the economic crisis in Greece 15. Getting regular, early and brief alcohol

interventions into primary care in rural New South Wales: the origins of the Murdi Paaki Drug and Alcohol Network 16. Social exclusion and immigration: new patterns of drug use among young marginal migrants 17. Politics and ethics for a journal editor

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Prepared in collaboration with the Medical Library Association, this completely updated, revised, and expanded edition lists classic and up-to-the-minute print and electronic resources in the health sciences, helping librarians find the answers that library users seek.

This new, fully revised edition aims to serve as a guide for agricultural research scientists and other practitioners in writing papers for publication. It also looks to provide a resource manual for training courses in scientific writing. There are three new chapters on reporting statistical results, communicating science to non-scientific audiences and electronic publishing. In addition, the original chapters have all been rewritten to reflect current developments and to make the content more complete and easily comprehensible.

Free Radicals in Biology and Medicine has become a classic text in the field of free radical and antioxidant research. Now in its fifth edition, the book has been comprehensively rewritten and updated whilst maintaining the clarity of its predecessors. Two new chapters discuss 'in vivo' and 'dietary' antioxidants, the first emphasising the role of peroxiredoxins and integrated defence mechanisms which allow useful roles for ROS, and the second containing new information on the role of fruits, vegetables, and vitamins in health and disease. This new edition also contains expanded coverage of the mechanisms of oxidative damage to lipids, DNA, and proteins (and the repair of such damage), and the roles played by reactive species in signal transduction, cell survival, death, human reproduction, defence mechanisms of animals and plants against pathogens, and other important biological events. The methodologies available to measure reactive species and oxidative damage (and their potential pitfalls) have been fully updated, as have the topics of phagocyte ROS production, NADPH oxidase enzymes, and toxicology. There is a detailed and critical evaluation of the role of free radicals and other reactive species in human diseases, especially cancer, cardiovascular, chronic inflammatory and neurodegenerative diseases. New aspects of ageing are discussed in the context of the free radical theory of ageing. This book is recommended as a comprehensive introduction to the field for students, educators, clinicians, and

researchers. It will also be an invaluable companion to all those interested in the role of free radicals in the life and biomedical sciences.

The present book has been written with two clear objectives in mind – to enable researchers, irrespective of their discipline, to develop the most appropriate methodology for their research studies; and to make them familiar with the art of using different research methods and techniques. It is hoped that the humble efforts made in the form of this book will assist in the accomplishment of exploratory as well as result-oriented research studies. The book is primarily targeted to serve as text book to Post Graduate, M.Phil. and Ph.d students of research methodology in all disciplines of various universities. The book seems to be designed specifically for those students who are newcomers to research, and who may have a basic barrier with regard to the subject. The areas covered in the book follow a simple-to-complex approach in terms of their discussion. Overall, this book clearly reflects the teaching experience of the author with this subject. The book can be of value to researchers by introducing some information on how to carry out reviews of literature and its importance in research. All possible efforts have been made to further enhance the usefulness of the book. The feedback received from different sources has been incorporated.

Writing Scientific Research in Communication Sciences and Disorders is a comprehensive guide to the preparation and publication of research papers for researchers in communication sciences and disorders. Individual chapters address the structure, content, and style of the introduction, method, results, and discussion sections of a research paper. The balance of the text examines the writing process, including the nuts and bolts of preparing tables and graphs, reviewing different voices and grammar issues, editing your own work, working with editors and peer reviewers, and getting started toward becoming a productive writer. Each topic is illustrated with informative examples, with clear, direct, and often humorous discussion of what makes the examples good or bad. Writing is essential in nearly every profession and particularly in communication sciences and disorders, where researchers must be able to express complex ideas to a variety of audiences--from colleagues to members of health care teams to clients and family members. Therefore, competency in written expression is required for certification and entry into clinical practice in communication sciences and disorders. Writing Scientific Research in Communication Sciences and Disorders will be a valuable supplementary text for undergraduate and graduate students in courses that include writing assignments and critical assessment of research literature, such as research methods and evidence-based clinical methods courses, as well as in thesis and dissertation preparation. Researchers looking for a guide to help improve their own writing will also find this text to be an invaluable resource that answers the big and little questions that arise in preparing manuscripts. Competition to publish in the top journals is fierce. This book provides entrepreneurship researchers with relevant material and insights to support them in their efforts to publish their research in the most prestigious entrepreneurship outlets. &a This is the proceedings of the selected papers presented at 2011 International Conference on Engineering Education and Management (ICEEM2011) held in Guangzhou, China, during November 18-20, 2011. ICEEM2011 is one of the most important conferences in the field of Engineering Education and Management and is co-organized by Guangzhou University, The University

of New South Wales, Zhejiang University and Xi'an Jiaotong University. The conference aims to provide a high-level international forum for scientists, engineers, and students to present their new advances and research results in the field of Engineering Education and Management. This volume comprises 122 papers selected from over 400 papers originally submitted by universities and industrial concerns all over the world. The papers specifically cover the topics of Management Science and Engineering, Engineering Education and Training, Project/Engineering Management, and Other related topics. All of the papers were peer-reviewed by selected experts. The papers have been selected for this volume because of their quality and their relevancy to the topic. This volume will provide readers with a broad overview of the latest advances in the field of Engineering Education and Management. It will also constitute a valuable reference work for researchers in the fields of Engineering Education and Management.

The American Association for the Surgery of Trauma is dedicated to the discovery, dissemination, implementation, and evaluation of knowledge related to acute care surgery (trauma, surgical critical care, and emergency general surgery) by fostering research, education, and professional development in an environment of fellowship and collegiality.

Learn how to properly evaluate and use existing research data and how to conduct your own original research. This authoritative text gives provides a comprehensive foundation for appraisal, synthesis, and generation of research evidence for clinical nursing practice. This new edition also features enhanced coverage of the research methods most applicable to evidence-based practice (outcomes research, intervention research, and translational research), along with a significant increase in the coverage of qualitative research methodologies. Comprehensive coverage of nursing research organizes content into five units: Introduction to Nursing Research, Nursing Research Processes, Tools for Evidence-Based Healthcare, Strategies for Analyzing Research and Building an Evidence-Based Practice, and Writing Proposals and Obtaining Funding. Rich and frequent examples from the literature demonstrate the importance and immediacy of research in nursing practice and bring principles to life through the context of actual published studies. Strong coverage of quantitative and other clinically-applicable research methodologies gives you a solid grounding to conduct, appraise, and apply research evidence to the realities of clinical practice in today's healthcare environment. NEW! Enhanced emphasis on evidence-based practice equips you to generate research evidence and to appraise and synthesize existing research for application to clinical practice. Using the ANCC Magnet Recognition Program criteria as a point of focus, this book prepares you for today's emphasis on evidence-based practice in the clinical setting. NEW! Expanded emphasis on qualitative research addresses phenomenological research, grounded theory research, ethnographic research, exploratory-descriptive research, and historical research to support the development of nursing. NEW! Updated coverage of digital data collection guides you through use of the internet for research and addresses the unique considerations surrounding digital data collection methods. NEW! Pageburst ebook study guide gives you the opportunity to fully master and apply the text content in a convenient electronic format with integrated interactive review questions.

Impact communities are the places where individuals gather to contribute to the transformation of their territories by disseminating

knowledge. As such, it is vital to research the use of open and social learning in contributing to the evolution of impact communities and smart territories. *Open and Social Learning in Impact Communities and Smart Territories* is an essential reference source that discusses the learning processes in impact communities and in smart territories through case studies and other research methods. Featuring research on topics such as learning processes, smart communities, and social entrepreneurship, this book is ideally designed for entrepreneurs, managers, academicians, and researchers seeking coverage on the concept of impact communities and smart territories.

Open access publishing can be used as a strategic tool to avail access to information and achieve universal literacy. Open access has gained importance over the past 15 years by making knowledge available to all, without any barrier of affordability or restrictions on using this knowledge to inform and develop. Open access contributes to scientific research excellence, disseminates research results to a wider community, and promotes multi-disciplinary and collaborative research. Issues of sustainable development and open access are major concerns in librarianship and information management, particularly as the international library and information management community is focusing on how to contribute to the Sustainable Development Goals. *Open Access Implications for Sustainable Social, Political, and Economic Development* is a pivotal reference source that provides an understanding of the concept of open access within the context of social, political, and economic development and deliberates the critical issues and challenges that face the implementation of open access and its impact on the global economy and sustainable development. While highlighting a broad range of topics including digital scholarship, open data, and ethics, this book is ideally designed for librarians, information science professionals, government officials, policymakers, academicians, researchers, and students.

The new edition upholds the premise that knowledge about research process and design is mandatory in today's health care arena, and that all nurses and midwives need to understand research findings and their implication for changing practice. It is completely revised with many new chapters. The text has been restructured into three sections. Section 1 Research Awareness sets the scene for the importance of nursing and midwifery research and provides an overview of research theory and practice as processes. Chapters on searching for and reviewing the literature provide detailed advice for undergraduates and facilitate access to research articles online. One of the new chapters discusses ethical issues in Australia and New Zealand. Section 2 Appreciation and Application provides a detailed discussion of qualitative, quantitative and mixed methods research approaches with many useful examples from the clinical area. Section 3 Conducting primary research is new and is designed to accommodate both undergraduate and postgraduate students in their research effort. Writing research proposals may be a requirement for undergraduates in their research program and postgraduates will find the information useful for undertaking a higher degree or applying for university or external funding. This final Section is also useful as a guide on disseminating and publishing conducted research findings. Combined Australian and New Zealand editorship ensures greater trans-Tasman coverage, awareness and relevance. Contributions from international luminaries are balanced by a heightened focus on research conducted within Australia

and New Zealand. New edition conscientiously recognises midwifery research as related to but independent from nursing. The research process-driven approach is directed towards 'consumers' of research, and the comprehensive coverage extends from undergraduate through to a postgraduate level of knowledge. Expanded pedagogy includes Key Terms and Learning Outcomes at the beginning of each chapter; Icons throughout that direct readers to web-based material; Evidence-based Tips, Research in Brief boxes and Points to Ponder for constant reinforcement that links evidence to practice. Integrated Tutorial Triggers with suggested answers provided and Multiple Choice Questions enable students to assess their understanding of key points. Evolve Website provides True/False questions and access to journal articles cited in the text, with additional reflective questions. Australian adaptation of Nursing Research: Lobiondo-Wood & Haber

Interest in relations between knowledge, power, and space has a long tradition in a range of disciplines, but it was reinvigorated in the last two decades through critical engagement with Foucault and Gramsci. This volume focuses on relations between knowledge and power. It shows why space is fundamental in any exercise of power and explains which roles various types of knowledge play in the acquisition, support, and legitimization of power. Topics include the control and manipulation of knowledge through centers of power in historical contexts, the geopolitics of knowledge about world politics, media control in twentieth century, cartography in modern war, the power of words, the changing face of Islamic authority, and the role of Millennialism in the United States. This book offers insights from disciplines such as geography, anthropology, scientific theology, Assyriology, and communication science.

This collection of essays, written by a number of respected sport management scholars, addresses many of the challenges and issues facing today's sport management academic programs. It is intended to begin a professional and scholarly discussion to identify the best, or at least the most logical, paths to follow for sport management programs and the industry with which they are so closely aligned. Contributors, invited to participate based on their recognized areas of expertise, address specific topics using their own unique voices and writing styles. In the ebook version, essays link to video introductions by the authors and to online discussion forums where readers can respond to the issues presented in the essays. From the Preface: The field of sport management stands at an academic crossroads; the essays in this book address the following and other emerging questions: Should our successful field of study continue to model other disciplines and perpetuate their successes, as well as their shortcomings, or should we determine our own specific model for academic success? How are we doing in preparing future sport managers to perform in the industry and on the global stage? Where do we belong in the scheme of academe? The book's goal is to generate discussion among sport management professors, industry professionals who serve as adjunct faculty and participate on sport management program advisory boards, doctoral students who intend to teach in sport management programs, and others who explore and critique higher education in general.

This handbook presents the state of the art of quantitative methods and models to understand and assess the science and technology system. Focusing on various aspects of the development and application of indicators derived from data on scholarly

publications, patents and electronic communications, the individual chapters, written by leading experts, discuss theoretical and methodological issues, illustrate applications, highlight their policy context and relevance, and point to future research directions. A substantial portion of the book is dedicated to detailed descriptions and analyses of data sources, presenting both traditional and advanced approaches. It addresses the main bibliographic metrics and indexes, such as the journal impact factor and the h-index, as well as altmetric and webometric indicators and science mapping techniques on different levels of aggregation and in the context of their value for the assessment of research performance as well as their impact on research policy and society. It also presents and critically discusses various national research evaluation systems. Complementing the sections reflecting on the science system, the technology section includes multiple chapters that explain different aspects of patent statistics, patent classification and database search methods to retrieve patent-related information. In addition, it examines the relevance of trademarks and standards as additional technological indicators. The Springer Handbook of Science and Technology Indicators is an invaluable resource for practitioners, scientists and policy makers wanting a systematic and thorough analysis of the potential and limitations of the various approaches to assess research and research performance.

This special issue resulted from the invitation made to selected authors to contribute with an overview of a specific subject of their choice, and is based on a collection of papers chosen to exemplify some of the interests, uses and views of the epidemiology across different areas of research and practice. Rather than the comprehensiveness and coherence of a conventional textbook, readers will find a set of independent chapters, each of them of a great interest in their own specialized areas within epidemiology. Taken together, they illustrate the contrast between the attempt to extend the limits of applicability of epidemiological research, and the "regular" scientific activity in this field or an applied epidemiology. Epidemiologists with different levels of expertise and interests will be able to find informative and inspiring readings among the chapters of this book.

The Journal of Business Ethics was founded by Alex C. Michalos and Deborah C. Poff and published its first issue in March 1982. It is the most frequently cited business ethics journal in the world. The Journal has always offered a multi-disciplinary and international public forum for the discussion of issues concerning the interaction of successful business and moral virtue. Its authors and readers are primarily scholars and students in social sciences and philosophy , with special interests in the interaction of these disciplines with business or corporate responsibility. Since the field of business ethics grew simultaneously with the growth of the Journal, a collection of its most cited articles is tantamount to a collection of the articles that had the greatest influence in defining the field over its first 30 years of development. In this anniversary volume, an overview of citation classics from the Journal is presented, the 33 most frequently cited articles are reproduced and brief reflections on the impact of the Journal on the field are given from over 100 scholars who authored citation classics and/or distinguished papers, as well as those who served on the Editorial Board and/or are recognized as leaders in the field.

This book is a must for librarians with international interest in access to knowledge. It includes a collection of 15 chapters written by authors from all over the world and covers different approaches to the vital role of libraries driving access to knowledge. There

are chapters that offer solutions and ideas to enable libraries to become the knowledge engine in society. Other chapters discuss the conceptual part of the subject and related services. The book was compiled as part of the presidential theme of Ellen Tise, IFLA President 2009-2011, with the aim of offering the reader a good portrait of the opportunities and challenges that libraries have in driving access to knowledge.

Now in its fifth edition, *Inside Book Publishing* remains the classic introduction to the book publishing industry, being both a manual for the profession for over two decades and the bestselling textbook for students of publishing. This new edition has been fully updated to respond to the rapid changes in the market and technology. Now more global in its references and scope, the book explores the tensions and trends affecting the industry, including the growth of ebooks, self-publishing, and online retailing, and new business models and workflows. The book provides excellent overviews of the main aspects of the publishing process, including commissioning, product development, design and production, marketing, sales and distribution. The book remains essential reading for publishing students, those seeking a career in publishing, recent entrants to the industry, and authors seeking an insider's view. The accompanying website supports the book by providing up-to-date and relevant content.

*Encyclopedia of Forensic and Legal Medicine, Volumes 1-4, Second Edition* is a pioneering four volume encyclopedia compiled by an international team of forensic specialists who explore the relationship between law, medicine, and science in the study of forensics. This important work includes over three hundred state-of-the-art chapters, with articles covering crime-solving techniques such as autopsies, ballistics, fingerprinting, hair and fiber analysis, and the sophisticated procedures associated with terrorism investigations, forensic chemistry, DNA, and immunoassays. Available online, and in four printed volumes, the encyclopedia is an essential reference for any practitioner in a forensic, medical, healthcare, legal, judicial, or investigative field looking for easily accessible and authoritative overviews on a wide range of topics. Chapters have been arranged in alphabetical order, and are written in a clear-and-concise manner, with definitions provided in the case of obscure terms and information supplemented with pictures, tables, and diagrams. Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading. Brings together all appropriate aspects of forensic medicine and legal medicine. Contains color figures, sample forms, and other materials that the reader can adapt for their own practice. Also available in an on-line version which provides numerous additional reference and research tools, additional multimedia, and powerful search functions. Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading.

*Free Radicals in Biology and Medicine* Oxford University Press

This book is essential while preparing for the theory examination of orthopaedics. The book has been presented in such a manner that important and difficult past questions have been written in simpler and reproducible format. Authenticity of the answers has been maintained by giving as many references as possible. The book also gives long case sheet format that gives a scheme about how to write the long cases. Numerous diagrams and profuse illustrations further enhance the



quality of the book. An absolute must for orthopaedic residents appearing for exams.

Continuous advances in technologies, individuals, and the workplace have increased the importance of adult learning and professional development for keeping up with the current pace of technologies and information. *Advanced Research in Adult Learning and Professional Development: Tools, Trends, and Methodologies* explores the understanding, practice, and research within technical education and professional development. By providing a comprehensive view on educational technologies for adult learning, this book is essential for lecturers, practitioners, as well as academics interested in a variety of research in continuing education.

This comprehensive textbook of health sciences librarianship provides the library student and new librarian with the background and skills necessary to handle day-to-day activities and provide quality services in a health sciences library or a more general library serving students and practitioners in the health professions. The book has 16 chapters, each authored by an experienced medical librarian and is organized logically into 4 sections: The Profession, Collection Services, User Services, and Administrative Services. Each chapter contains photographs, figures, tables, and charts illustrating the essential concepts introduced. Overseen by a 3-member editorial board of leading professors in medical librarianship programs, this authoritative text provides students, beginning, and experienced librarians with a comprehensive overview of state-of-the-art medical librarianship.

*Complexities in Colorectal Surgery: Decision-Making and Management* provides a unique, modern, practical guide that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert Colorectal Surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. The text is formatted as both a “how-to” manual as well as an algorithm-based guide allowing the reader to understand the thought process behind the proposed treatment strategies. By making use of evidence-based recommendations, each chapter will include not only diagnostic and therapeutic guidelines, but also a narrative by the author on his/her operative technical details and perioperative “tips and tricks” that they utilize in the management of these complex surgical challenges. This text includes chapters on the assessment of risk and nutritional intervention methods utilized to minimize perioperative complications. In addition, sections on medical and surgical therapies for abdominal, pelvic and anorectal disease are incorporated. Moreover, the technical challenges of managing complications resulting from the original or subsequent operations is addressed. The underlying focus throughout the text is to provide pragmatic and understandable solutions that can be readily implemented by surgeons of varying experience to successfully treat complex colorectal problems. The text also goes beyond the technical aspects of Colorectal Surgery and includes special sections highlighting the essence of a surgeon. These include chapters

describing the importance of the first encounter, building patient rapport, and demonstrating confidence and competence while showing humility and avoiding arrogance. Additionally, aspects involving the medical-legal, ethical, and economic challenges confronting surgeons are covered.

China has become one of the fastest-growing economies ever seen in the world in recent times. In the last three decades, China has transformed itself from a command economy to a market one, albeit a nominally socialist one, and its management systems have been reformed accordingly. In the light of these changes, Malcolm Warner, one of the leading authorities on management in China, explores the past, present and future of Chinese management. The first part of the work examines the history of management practices in the 'Middle Kingdom', outlining the influence of traditional Chinese values, especially the Confucian inheritance, and the legacy of the imperial bureaucracy with its meritocratic examination system, as well as the role of industrialization and the influx of foreign-owned businesses in the late nineteenth century and the twentieth century. It next goes on to consider the current state of China's management, showing how a new breed of manager has evolved since the beginning of Deng Xiaoping's reforms in the late 1970s and 1980s. The resulting impact of this strategy which has continued into the 1990s and the 2000s, up to the present day, is then examined. The final part of the book concludes with reflections on how management in China is likely to develop in the near future, especially on how far it will converge with global practices or to what degree an indigenous form of management 'with Chinese characteristics' will prevail.

This book explores the differences between extrinsic and intrinsic Corporate Social Responsibility (CSR). The former is driven by an assumed positive relationship between CSR activities and financial performance, while the latter stems from a moral duty. These differences can be both banal and profound, because they often depend on definitions and because the scope, purpose, and legitimacy of intrinsic CSR is vague, under-researched, and subject to context. The book discusses the two manifestations of CSR through both applied and conceptual approaches, considering questions such as: Are there any differences? If so, in which areas, aspects, consequences? How do they relate to each other? Which one is better and how could this be identified? In finding answers to the above, the book reflects on the impact the difference has on CSR stakeholders. Furthermore, a closer look at Swiss Small and Medium-sized Enterprises (SMEs) and their culture of democratic decisions, hand-shake quality, prudence, embeddedness in their respective communities, and their willingness to "give something back to society" allows the limitation, impetus, and the legitimacy of intrinsic CSR to be identified.

This new fifth edition of Information Resources in Toxicology offers a consolidated entry portal for the study, research, and practice of toxicology. Both volumes represents a unique, wide-ranging, curated, international, annotated

bibliography, and directory of major resources in toxicology and allied fields such as environmental and occupational health, chemical safety, and risk assessment. The editors and authors are among the leaders of the profession sharing their cumulative wisdom in toxicology's subdisciplines. This edition keeps pace with the digital world in directing and linking readers to relevant websites and other online tools. Due to the increasing size of the hardcopy publication, the current edition has been divided into two volumes to make it easier to handle and consult. Volume 1: Background, Resources, and Tools, arranged in 5 parts, begins with chapters on the science of toxicology, its history, and informatics framework in Part 1. Part 2 continues with chapters organized by more specific subject such as cancer, clinical toxicology, genetic toxicology, etc. The categorization of chapters by resource format, for example, journals and newsletters, technical reports, organizations constitutes Part 3. Part 4 further considers toxicology's presence via the Internet, databases, and software tools. Among the miscellaneous topics in the concluding Part 5 are laws and regulations, professional education, grants and funding, and patents. Volume 2: The Global Arena offers contributed chapters focusing on the toxicology contributions of over 40 countries, followed by a glossary of toxicological terms and an appendix of popular quotations related to the field. The book, offered in both print and electronic formats, is carefully structured, indexed, and cross-referenced to enable users to easily find answers to their questions or serendipitously locate useful knowledge they were not originally aware they needed. Among the many timely topics receiving increased emphasis are disaster preparedness, nanotechnology, -omics, risk assessment, societal implications such as ethics and the precautionary principle, climate change, and children's environmental health. Introductory chapters provide a backdrop to the science of toxicology, its history, the origin and status of toxicoinformatics, and starting points for identifying resources. Offers an extensive array of chapters organized by subject, each highlighting resources such as journals, databases, organizations, and review articles. Includes chapters with an emphasis on format such as government reports, general interest publications, blogs, and audiovisuals. Explores recent internet trends, web-based databases, and software tools in a section on the online environment. Concludes with a miscellany of special topics such as laws and regulations, chemical hazard communication resources, careers and professional education, K-12 resources, funding, poison control centers, and patents. Paired with Volume Two, which focuses on global resources, this set offers the most comprehensive compendium of print, digital, and organizational resources in the toxicological sciences with over 120 chapters contributions by experts and leaders in the field.

Heat transfer calculations in different aspects of engineering applications are essential to aid engineering design of heat exchanging equipment. Minimizing of computational time is a challenging task faced by researchers and users. Methodology of calculations in some application areas are incorporated in this book, such as differential analysis of heat recoveries with CFD in a tube bank, heating and

ventilation of equipment and methods for analytical solution of nonlinear problems. Numerical analysis is the prerequisite of design and for the manufacture of heat exchanging equipment. Some numerical and experimental information are presented with utmost skill. Similarly, the analytical solution of heat transfer is touched in this book. Study of heat transfer phenomena and applications are equally emphasized in this issue.

This volume critically examines the functional actions of the kainate-type glutamate receptors (KARs). Following on from the larger body of work on the NMDA- and AMPA-type ionotropic glutamate receptors (GluRs), studies with KARs have consistently thrown up exceptions to general rules about synaptic modulation. Contributors herein provide an insight to the idiosyncracies that now almost typify the KAR field. The fascinating insights provided in this volume serve to encourage searching mechanistic questions.

This book investigates the intensifying struggle for excellence between universities in a globalized academic field. The rise of the entrepreneurial university and academic capitalism are superimposing themselves on the competition of scientists for progress of knowledge and recognition by the scientific community. The result is a sharpening institutional stratification of the field. This stratification is produced and continuously reproduced by the intensified struggle for funds with the shrinking of block grants and the growing significance of competitive funding, as well as the increasing impact of international and national rankings on academic research and teaching. The increased allocation of funds on the basis of performance leads to overinvestment of resources at the small top and underinvestment for the broad mass of universities in the middle and lower ranks. There is a curvilinear inverted u-shaped relationship of investments and returns in terms of knowledge production. Paradoxically, the intrusion of the economic logic and measures of managerial controlling into the academic field imply increasing inefficiency in the allocation of resources to universities. The top institutions suffer from overinvestment, the rank-and-file institutions from underinvestment. The economic inefficiency is accompanied by a shrinking potential for renewal and open knowledge evolution.

At last, the first systematic guide to the growing jungle of citation indices and other bibliometric indicators. Written with the aim of providing a complete and unbiased overview of all available statistical measures for scientific productivity, the core of this reference is an alphabetical dictionary of indices and other algorithms used to evaluate the importance and impact of researchers and their institutions. In 150 major articles, the authors describe all indices in strictly mathematical terms without passing judgement on their relative merit. From widely used measures, such as the journal impact factor or the h-index, to highly specialized indices, all indicators currently in use in the sciences and humanities are described, and their application explained. The introductory section and the appendix contain a wealth of valuable supporting information on data sources, tools and techniques for bibliometric and scientometric analysis - for individual researchers as well as their funders and publishers.

Characterization of Semiconductor Heterostructures and Nanostructures is structured so that each chapter is devoted to a specific characterization technique used in the understanding of the properties (structural, physical, chemical, electrical etc..) of semiconductor quantum wells and superlattices. An additional chapter is devoted to ab initio modeling. The book has two basic aims. The first is educational, providing the basic concepts of each of the selected techniques with an approach understandable by advanced students in Physics, Chemistry, Material Science, Engineering, Nanotechnology. The second aim is to provide a selected set of examples from the recent literature of the TOP results obtained with the specific technique in understanding the properties of semiconductor heterostructures and nanostructures. Each chapter has this double structure: the first part devoted to explain the basic concepts, and the second to the discussion

of the most peculiar and innovative examples. The topic of quantum wells, wires and dots should be seen as a pretext of applying top level characterization techniques in understanding the structural, electronic etc properties of matter at the nanometer (and even sub-nanometer) scale. In this respect it is an essential reference in the much broader, and extremely hot, field of Nanotechnology. Comprehensive collection of the most powerful characterization techniques for semiconductors heterostructures and nanostructures Most of the chapters are authored by scientists that are world-wide among the top-ten in publication ranking of the specific field Each chapter starts with a didactic introduction on the technique The second part of each chapters deals with a selection of top examples highlighting the power of the specific technique to analyse the properties of semiconductors heterostructures and nanostructures

Reputation can be a pivotal factor to potential success throughout one's academic career. By utilizing available technological assets and tools, professionals can effectively manage their personal brands. Digital Tools for Academic Branding and Self-Promotion is an authoritative reference source for the latest research on the interrelationship between digital branding and academic reputation. Showcasing relevant digital platforms and techniques, this book is a compendium of vital material for academics, professionals, practitioners, and marketers interested in effective reputation management.

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