

List Journals Impact Factor 2011

A comprehensive, state-of-the-art examination of the changing ways we measure scholarly performance and research impact. Bibliometrics has moved well beyond the mere tracking of bibliographic citations. The web enables new ways to measure scholarly productivity and impact, making available tools and data that can reveal patterns of intellectual activity and impact that were previously invisible: mentions, acknowledgments, endorsements, downloads, recommendations, blog posts, tweets. This book describes recent theoretical and practical advances in metrics-based research, examining a variety of alternative metrics—or “altmetrics”—while also considering the ethical and cultural consequences of relying on metrics to assess the quality of scholarship. Once the domain of information scientists and mathematicians, bibliometrics is now a fast-growing, multidisciplinary field that ranges from webometrics to scientometrics to inflometrics. The contributors to *Beyond Bibliometrics* discuss the changing environment of scholarly publishing, the effects of open access and Web 2.0 on genres of discourse, novel analytic methods, and the emergence of next-generation metrics in a performance-conscious age. Contributors Mayur Amin, Judit Bar-Ilan, Johann Bauer, Lutz Bornmann, Benjamin F. Bowman, Kevin W. Boyack, Blaise Cronin, Ronald Day, Nicola De Bellis, Jonathan Furner, Yves Gingras, Stefanie Haustein, Edwin Henneken, Peter A. Hook, Judith Kamalski, Richard Klavans, Kayvan Kousha, Michael Kurtz, Mark Largent, Julia Lane, Vincent Larivière, Loet Leydesdorff, Werner Marx, Katherine W. McCain, Margit Palzenberger, Andrew Plume, Jason Priem, Rebecca Rosen, Hermann Schier, Hadas Shema, Cassidy R. Sugimoto, Mike Thelwall, Daril Vilhena, Jevin West, Paul Wouters

Quality Assurance is not a new concept in the education sector in general, and higher education in particular, though it is becoming increasingly more relevant and important. Higher education helps to improve an individual's quality of life by enabling them to inflate their knowledge and expertise, to grasp abstract concepts and theories, and to raise their awareness of the world and their community, and as such the assurance of quality is becoming more pivotal in the whole education process. There is no simple definition of the concept of quality in education, though numerous models and theories have been devised. *Toward Quality Assurance and Excellence of Higher Education* is a new episode of the Quality Assurance perception in higher education, which identifies the quality culture and orientation from the beginning, integrating crucial factors to build a “pyramid” of higher education excellence. The book compares concepts from the main theories of Quality Assurance, management and control when they are applied to educational systems in higher education. The book also presents a new model of excellence in higher education. Excellence is an architecture of building blocks that includes process performance, effectiveness, harmony and collaboration, and these blocks should be incorporated in a quality-oriented concept for sustainable excellence of higher education. The model integrates four main facets: the Educational System, Quality Assurance Managing and Control, Strategic Planning and Globalization. Also presented are international “best-practices” in quality assurance in higher education, from Japan and Finland.

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 textbook provides the underlying knowledge and skills needed to understand and utilize the most common and important experimental and data analysis techniques in physics. The reader is presented with the tools to design, assemble, and debug experimental apparatus, and to use it to take meaningful data. The contents start with an introduction to key topics such as troubleshooting, statistical methods, and the scientific method, then progressing through a sequence of experiments that encompass each major subfield of physics. Experiments lay out background theory, procedures and equipment, conceptual questions, safety instructions, examples, and troubleshooting exercises.

Brought to you by the world's leading transplant clinicians, Textbook of Organ Transplantation provides a complete and comprehensive overview of modern transplantation in all its complexity, from basic science to gold-standard surgical techniques to post-operative care, and from likely outcomes to considerations for transplant program administration, bioethics and health policy. Beautifully produced in full color throughout, and with over 600 high-quality illustrations, it successfully: Provides a solid overview of what transplant clinicians/surgeons do, and with topics presented in an order that a clinician will encounter them. Presents a holistic look at transplantation, foregrounding the interrelationships between transplant team members and non-surgical clinicians in the subspecialties relevant to pre- and post-operative patient care, such as gastroenterology, nephrology, and cardiology. Offers a focused look at pediatric transplantation, and identifies the ways in which it significantly differs from transplantation in adults. Includes coverage of essential non-clinical topics such as transplant program management and administration; research design and data collection; transplant policy and bioethical issues. Textbook of Organ Transplantation is the market-leading and definitive transplantation reference work, and essential reading for all transplant surgeons, transplant clinicians, program administrators, basic and clinical investigators and any other members of the transplantation team responsible for

the clinical management or scientific study of transplant patients.

Most academics still wrestle with the "publish or perish" phenomenon. Based on Dr. Liebowitz's 25 years serving as the editor-in-chief of a leading international journal, along with insights from some of the most knowledgeable journal editors, this book shares key lessons learned to help new professors, doctoral students, and practitioner-scholars

This book constitutes the joint refereed proceedings of the 20th Symposium on the Integration of Symbolic Computation and Mechanized Reasoning, Calculemus 2013, 6th International Workshop on Digital Mathematics Libraries, DML 2013, Systems and Projects, held in Bath, UK as part of CICM 2013, the Conferences on Intelligent Computer Mathematics. The 7 revised full papers out of 18 submissions for MKM 2013, 5 revised full papers out of 12 submissions for Calculemus 2013, 6 revised full papers out of 8 submissions for DML 2013, and 12 revised full papers out of 16 submissions for Systems and Project track presented together with 3 invited talks were carefully reviewed and selected, resulting in 33 papers from a total of 73 submissions.

An excellent guide for understanding the trends, challenges and opportunities facing China through globalization, this Handbook answers the pertinent questions regarding the globalization process and China's influence on the world.

This volume provides rich insight into the nature and practice of media management. Contributions assess the degree to which management of media firms requires a unique set of skills, highlighting similarities and differences of media firms compared with other industries in terms of management practices, HR development and operational aspects. Success and limitations of research on media management theory is evaluated, both drawing on management theory and examining insights from other disciplines. Dimensions for future research are considered along with practical implications for media managers and corporate structures. The book serves as a valuable reference for researchers, advanced students and practitioners in media industries.

This book shows scientists how to apply their analysis and synthesis skills to overcoming the challenge of how to write, as well as what to write, to maximise their chances of publishing in international scientific journals. The book uses analysis of the scientific article genre to provide clear processes for writing each section of a manuscript, starting with clear 'story' construction and packaging of results. Each learning step uses practical exercises to develop writing and data presentation skills based on reader analysis of well-written example papers. Strategies are presented for responding to referee comments, and for developing discipline-specific English language skills for manuscript writing and polishing. The book is designed for scientists who use English as a first or an additional language, and for individual scientists or mentors or a class setting. In response to reader requests, the new edition includes review articles and the full range of research article formats, as well as applying the book's principles to writing funding applications. Web support for this book is available at www.writeresearch.com.au

This book examines the problems, pitfalls and opportunities of different models of assessing research quality, drawing on studies from around the world. Aimed at academics, education officials and public servants, key features include an overview of the argument of whether research should be assessed and how research quality should

be determined. Prometheus Assessed? offers a survey of research assessment models in the US, UK, Japan and New Zealand and includes an examination of citation analysis and comparison between the different models. Should research be assessed and what is research quality? Survey of research assessment models in US, UK, Japan and New Zealand Examination of citation analysis

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

Ethics, entrepreneurship, and governance are very essential and crucial for the sustainable development of institutions of higher education, especially in the face of moral ambiguity or ethical lapses that could occur. As such, it is vital to explore how to facilitate the effective and efficient development of higher education institutions to put into practice ethical behaviors and entrepreneurial values for the progressive future of society. The Handbook of Research on Ethics, Entrepreneurship, and Governance in Higher Education is a pivotal reference source that provides vital research on the application of ethics, entrepreneurship, and governance in higher education institutions. Featuring coverage topics such academic misconduct, ethical leadership, and student values, this publication is ideally designed for educational administrators, professors, academicians, researchers, and graduate-level students seeking current research on the impact of globalization on the ethics and governance in higher education through various policy decisions and practices.

A scientific publication system needs to provide two basic services: access and evaluation. The traditional publication system restricts the access to papers by requiring payment, and it restricts the evaluation of papers by relying on just 2-4 pre-publication peer reviews and by keeping the reviews secret. As a result, the current system suffers from a lack of quality and transparency of the peer-review evaluation process, and the only immediately available indication of a new paper's quality is the prestige of the journal it appeared in. Open access is now widely accepted as desirable and is slowly beginning to become a reality. However, the second essential element, evaluation, has received less attention. Open evaluation, an ongoing post-publication process of transparent peer review and rating of papers, promises to address the problems of the current system. However, it is unclear how exactly such a system should be designed. The evaluation system steers the attention of the scientific community and, thus, the

very course of science. For better or worse, the most visible papers determine the direction of each field and guide funding and public policy decisions. Evaluation, therefore, is at the heart of the entire endeavor of science. As the number of scientific publications explodes, evaluation and selection will only gain importance. A grand challenge of our time, therefore, is to design the future system, by which we evaluate papers and decide which ones deserve broad attention. So far scientists have left the design of the evaluation process to journals and publishing companies. However, the steering mechanism of science should be designed by scientists. The cognitive, computational, and brain sciences are best prepared to take on this task, which will involve social and psychological considerations, software design, and modeling of the network of scientific papers and their interrelationships. This Research Topic in *Frontiers in Computational Neuroscience* collects visions for a future system of open evaluation. Because critical arguments about the current system abound, these papers will focus on constructive ideas and comprehensive designs for open evaluation systems. Design decisions include: Should the reviews and ratings be entirely transparent, or should some aspects be kept secret? Should other information, such as paper downloads be included in the evaluation? How can scientific objectivity be strengthened and political motivations weakened in the future system? Should the system include signed and authenticated reviews and ratings? Should the evaluation be an ongoing process, such that promising papers are more deeply evaluated? How can we bring science and statistics to the evaluation process (e.g. should rating averages come with error bars)? How should the evaluative information about each paper (e.g. peer ratings) be combined to prioritize the literature? Should different individuals and organizations be able to define their own evaluation formulae (e.g. weighting ratings according to different criteria)? How can we efficiently transition toward the future system? Ideally, the future system will derive its authority from a scientific literature on community-based open evaluation. We hope that these papers will provide a starting point.

Smoke Signals gathers 71 of Professor Simon Chapman's authoritative, acerbic and often heretical essays written in newspapers, blogs and research journals across his 40-year career. They cover major developments and debates in tobacco control, public health ethics, cancer screening, gun control and panics about low risk agents like wi-fi, mobile phone towers and wind turbines. This collection is an essential guide to the landscape of many key debates in contemporary public health. It will be invaluable to public health students and practitioners, while remaining compelling reading for all interested in health policy. When is Simon Chapman the academic, intellectual, self-appointed chief wouser of the nanny state gunna leave us alone? Steve Price, Australian radio broadcaster His insane wibblings are worrying yes, but still bloody funny to read. Christopher Snowdon, Institute of Economic Affairs, London Simon Chapman is emeritus professor in public health at the University of Sydney. He has won the World Health Organization's medal for tobacco control (1998), the American Cancer Society's Luther Terry Award for outstanding individual leadership in tobacco control (2003), and was NSW Premier's Cancer Researcher of the Year medal (2008). In 2013 he was made an Officer in the Order of Australia for his contributions to public health and named 2013 Australian Skeptic of the Year. In 2014, the Australian right-wing think tank, the Institute of Public Affairs, named him as one of Australia's Dirty

Dozen all-time “opponents of freedom”.

This contributed volume contains fourteen papers based on selected presentations from the European Conference on Game Theory SING11-GTM 2015, held at Saint Petersburg State University in July 2015, and the Networking Games and Management workshop, held at the Karelian Research Centre of the Russian Academy of Sciences in Petrozavodsk, Russia, also in July 2015. These papers cover a wide range of topics in game theory, including recent advances in areas with high potential for future work, as well as new developments on classical results. Some of these include A new approach to journal ranking using methods from social choice theory; A differential game of a duopoly in which two firms are competing for market share in an industry with network externalities; The impact of information propagation in the model of tax audits; A voting model in which the results of previous votes can affect the process of coalition formation in a decision-making body; The Selten-Szidarovsky technique for the analysis of Nash equilibria of games with an aggregative structure; Generalized nucleoli and generalized bargaining sets for games with restricted cooperation; Bayesian networks and games of deterrence; and A new look at the study of solutions for games in partition function form. The maturity and vitality of modern-day game theory are reflected in the new ideas, novel applications, and contributions of young researchers represented in this collection. It will be of interest to anyone doing theoretical research in game theory or working on one its numerous applications.

First Edition received 2012 First Place AJN Book of the Year Award in Nursing Research! “This is a resource for success and should be a part of any researcher's library.” --Doody's Medical Reviews (Praise for the First Edition) Written for researchers, clinicians and doctoral students, the newly revised edition of this comprehensive reference continues to deliver the essentials of intervention research with added content on evidence-based quality improvement, a must for improving healthcare quality, safety and population health outcomes. Although typically it takes years for research-based interventions to make their way to real world clinical settings, this “prolonged time for translation” frustrates researchers and their interprofessional teams. This second edition now delves even deeper into key strategies for rapidly moving research-based interventions into real world settings in the form of evidence-based quality improvement as well as the challenges of working in an increasingly diverse professional research environment. Intervention Research and Evidence-Based Quality Improvement, Second Edition begins at the pilot study phase for intervention research and highlights every step of the way through to full-scale randomized controlled trials. Written in user-friendly format, content covers designing, conducting, analyzing, and funding intervention studies that improve healthcare quality and people’s health outcomes. Chapters cover writing grant applications and show examples of actual applications that have been funded by NIH and other organizations. These real-life samples are available online, alongside additional progress reports and final reports. Real-world examples of evidence-based quality improvement projects that have improved outcomes also are highlighted in this second edition. New to the Second Edition: Describes evidence-based quality improvement and specific steps in conducting EBQI projects, which are essential for enhancing healthcare quality, safety and costs along with enhancing population health outcomes. Emphasizes the importance of interprofessional teams Focuses on using research-based interventions

in real-world settings Six new chapters o Generating Versus Using Evidence to Guide Best Practice o Setting the Stage for Intervention Research and Evidence-based Quality Improvement o Evidence-based Quality Improvement o Translational Research: Why and How o Factors Influencing Successful Uptake of Evidence-Based Interventions in Clinical Practice o Using Social Media to Enhance Uptake of Research-Based Interventions into Real World Clinical Settings Key Features: Provides a practical, comprehensive resource for designing, conducting, analyzing, and funding intervention studies Outlines the specific steps in designing, conducting and evaluating outcomes of evidence-based quality improvement projects Includes examples of funding research grants, progress reports, and final reports Serves as a core text for students in doctoral nursing and other health sciences programs

This book reports on the state of academic journal publishing in a range of geolinguistic contexts, including locations where pressures to publish in English have developed more recently than in other parts of the world (e.g. Kazakhstan, Colombia), in addition to contexts that have not been previously explored or well-documented. The three sections push the boundaries of existing research on global publishing, which has mainly focused on how scholars respond to pressures to publish in English, by highlighting research on evaluation policies, journals' responses in non-Anglophone contexts to pressures for English-medium publishing, and pedagogies for supporting scholars in their publishing efforts.

Post-Keynesian and heterodox economics challenge the mainstream economics theories that dominate the teaching at universities and government economic policies. And it was these latter theories that helped to cause the great depression the United States and the rest of the world is in. However, most economists and the top 1% do not want mainstream theories challenged--for to do so would mean questioning why and how the 1% got where they are. Therefore, numerous efforts have been and are being made to discredit if not suppress Post-Keynesian and heterodox economics. These efforts have had some success; this book is a response to them. This book makes it clear that Post Keynesian/heterodox economics is, in spite of internal problems, a viable and important approach to economics and that it should resist the attempts of the critics to bury it. The reader will also find arguments that directly engage the critics and suggest that their views/criticisms are vacuous and wrong. As such, this will appeal to all who are interested in economic theory, economic history and who believe in challenging the orthodoxy.

This book examines the current legal status of the international genetic information commons and proposes alternative management strategies.

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

Understanding and Evaluating Research: A Critical Guide shows students how to be critical consumers of research and to appreciate the power of methodology as it shapes the research question, the use of theory in the study, the methods used, and how the outcomes are reported. The book starts with what it means to be a critical and uncritical reader of research, followed by a detailed chapter on methodology, and then proceeds to a discussion of each component of a research article as it is informed by the methodology. The book encourages readers to select an article from their discipline,

learning along the way how to assess each component of the article and come to a judgment of its rigor or quality as a scholarly report.

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.

Managing risk is essential for every organization. However, significant opportunities may be lost by concentrating on the negative aspects of risk without bearing in mind the positive attributes. The objective of *Project Risk Management: Managing Software Development Risk* is to provide a distinct approach to a broad range of risks and rewards associated with the design, development, implementation and deployment of software systems. The traditional perspective of software development risk is to view risk as a negative characteristic associated with the impact of potential threats. The perspective of this book is to explore a more discerning view of software development risks, including the positive aspects of risk associated with potential beneficial opportunities. A balanced approach requires that software project managers approach negative risks with a view to reduce the likelihood and impact on a software project, and approach positive risks with a view to increase the likelihood of exploiting opportunities. *Project Risk Management: Managing Software Development Risk* explores software development risk both from a technological and business perspective. Issues regarding strategies for software development are discussed and topics including risks related to technical performance, outsourcing, cybersecurity, scheduling, quality, costs, opportunities and competition are presented. Bringing together concepts across the broad spectrum of software engineering with a project management perspective, this volume represents both a professional and scholarly perspective on the topic. This volume advances the debate on the past, present and future of international business and management research. A truly international group of experts present their perspectives, and ask the question 'What is it that we know?' when discussing major issues and concepts in the field. This annual collection includes a regular special feature on a leading scholar; exploring in this volume the work of Jean-François Hennart and his theories on multinational enterprise and strategic management. Part two addresses international business and international management issues from a philosophical perspective, examining key topics such as post-merger integration, dominant design theory, internalizing firms and the strategy-performance relationship.

For both new academics and those with some experience, writing articles of publishable quality can be particularly challenging. Developing the necessary skill set requires useful information, hard work, and the type of direction infrequently offered in research methods courses, leaving researchers to piece together resources on their own. This book addresses this critical topic in a format that is easy to teach and understand. It is a practical volume that teaches researchers how to identify their audience, clearly state the nature of their work, provide exceptional literature reviews, cite appropriately, and explicate their research. Beginning each chapter with reviewer comments, *Writing Education Research* is designed to help scholars understand both how to write effective research reports and how to get published. Practice exercises and resource lists in each chapter offer easy-to-access information about the review and publication process. A perfect accompaniment to standard research courses, this practical book demystifies the writing process for anyone looking to publish articles, chapters, or papers in education.

International Financial Reporting Standards (IFRS) are internationally-recognized financial reporting guidelines regulated by the International Accounting Standards Board (IASB) to ensure that uniformity exists in the global financial system. In addition to regulating financial reporting, the adoption of IFRS has been shown to impact the flow of foreign capital and trade. *Economics and Political Implications of International Financial Reporting Standards* focuses on the consequences and determinants of the adoption of the International Financial Reporting Standard (IFRS), which has remained a top issue in International Accounting. This timely publication brings to the forefront issues related to the political and economic influences and impacts of IFRS in addition to providing a platform for further research in this area. Policy makers, academics, researchers, graduate-level students, and professionals across the fields of management, economics, finance, international relations, and political science will find this publication pertinent to furthering their understanding of financial reporting at the global level. This book makes a significant contribution to the need for compassion in the 21st-century neoliberal university. Compassion is a process that involves (i) noticing that suffering is present in an organization; (ii) making meaning of suffering in a way that contributes to a desire to alleviate it; (iii) feeling empathic concern; and (iv) taking action. There is increasing recognition of the crucial role of compassion as a core concern in education, health and social care, and globally to ensure the future sustainability of humankind and the planet. Drawing upon a wide range of interdisciplinary, theoretical, and professional perspectives—including social sciences, modern Darwinism, intersectionality, higher education policy, and organization studies—the book addresses the key challenges facing 21st-century universities. For example, intersectionality and higher education, staff and student health and well-being, and responding to global challenges such as the coronavirus pandemic. The book is relevant to university leaders, policy makers, educators, researchers, university staff, and students aspiring to develop their own understanding of the role of compassion in professional life. It is an important marker of the compassion turn in higher education and what this means for contemporary academic leadership, followership, and pedagogical practice.

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.

With business schools becoming increasingly market-driven, questionable trends have emerged, such as the conflation of academic and corporate management, and the notion that academics and students are market players, who respond rationally to market signals. Using individual studies from leading scholars in a variety of disciplines and countries, this book identifies the global pressures behind these trends. It focuses on the debates surrounded the commercialization of business schools, and the rise of different methods of measuring their success. In their unique approach, the authors and editors discuss the impact of the confrontation between the timeless values embodied by Minerva, the Roman goddess of Wisdom, and the hard realities of competition and corporatization in modern society. This book will be compelling reading for students and academics in critical management studies, organizational studies, public management and higher education, as well as for stakeholders in academia and educational policy.

The Oxford Handbook of Clinical and Healthcare Research is a practical, concise, and easy-to-use reference for the full range of clinical and healthcare research topics, while incorporating evidence based medicine. Comprehensively providing a wide breadth of knowledge, this handbook clearly covers both the qualitative and quantitative aspects. This handbook includes clear instructions on the legislative requirements as well as the practical requirements of commissioning, conducting, analysing, and reporting research for those in clinical or healthcare practice, education or training. This book has been written with Good Clinical Practice (GCP) education in mind, giving valuable information needed for the accredited certificates and diploma-level benchmark exams now commonly required by employers. Whether you need practical advice on setting up and running a trial, negotiating regulations, learning vital research skills, or to study the underpinning concepts of research methods, this handbook will give you the vital information, clinical evidence, and guidance you need.

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.

2012 First Place AJN Book of the Year Award Winner in Nursing Research! "This is a resource for success and should be a part of any researcher's library."--Doody's Medical Reviews This book is a practical, user-friendly guide for health care researchers across multiple disciplines who are involved in intervention research. It provides all of the essential elements needed for understanding how to design, conduct, analyze, and fund intervention studies that are

replicable and can withstand the scrutiny of the Institutional Review Board and peer review. Developed from an annual continuing education workshop on intervention studies conducted by Dr. Melnyk, this text is the most comprehensive body of information available on this topic. Contributors address the design of interventions that are ethically considerate and sensitive to culture, race/ethnicity, and gender, minimizing threats to external and internal validity, measurement, and budgeting. The guide explores such implementation issues as subject recruitment and retention, data management, and specialized settings, cost analysis, and explaining intervention effects. The text also guides readers in writing grant applications that fund , and addresses how to move intervention study findings into the real world. A unique addition to the book is the availability of digital examples of progress reports, final reports, and research grant applications that have received funding from the National Institutes of Health and other relevant organizations. This text is a valuable resource for all health care professionals conducting research and for doctoral students in health care studies. Key Features: Presents the essential tools for designing, conducting, analyzing, and funding intervention studies Designed for use by health care professionals conducting intervention research Provides comprehensive, accessible guidelines for doctoral students across all health care disciplines Instructs readers on writing grant applications that fund Includes digital examples of funded research grants, progress reports, and final reports

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.

Intelligent Transportation Systems (ITS) are the model for integrating advanced information technology, data communication transmission technology, electronic sensing technology, control technology and computer technology into a comprehensive ground traffic management system. They are the direction of development for future transportation systems. This book presents the proceedings of the 3rd International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2018), held in Xi'an, China, on 15-16 September 2018. The conference provides a platform for professionals and researchers from industry and academia to present and discuss recent advances in the field of information technology and intelligent transportation systems. Intelligent transport systems vary in the technologies they apply, from basic management systems to more application-based systems. Information technology – including wireless communication, computational technologies, floating car data/floating cellular data, sensor technologies, and video vehicle detection – is also intrinsic to intelligent transportation systems. All papers were reviewed by 3-4 referees, and the program chairs of the conference committee made their selections based on the score of each paper. This year, ITITS 2018 received more than 168 papers from 4 countries, of which 41 papers were accepted. Offering a state-of-the-art overview of the theoretical and applied topics related

to ITS, this book will be of interest to all those working in the field.

How the increasing reliance on metrics to evaluate scholarly publications has produced new forms of academic fraud and misconduct. The traditional academic imperative to “publish or perish” is increasingly coupled with the newer necessity of “impact or perish”—the requirement that a publication have “impact,” as measured by a variety of metrics, including citations, views, and downloads. *Gaming the Metrics* examines how the increasing reliance on metrics to evaluate scholarly publications has produced radically new forms of academic fraud and misconduct. The contributors show that the metrics-based “audit culture” has changed the ecology of research, fostering the gaming and manipulation of quantitative indicators, which lead to the invention of such novel forms of misconduct as citation rings and variously rigged peer reviews. The chapters, written by both scholars and those in the trenches of academic publication, provide a map of academic fraud and misconduct today. They consider such topics as the shortcomings of metrics, the gaming of impact factors, the emergence of so-called predatory journals, the “salami slicing” of scientific findings, the rigging of global university rankings, and the creation of new watchdogs and forensic practices.

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.

Scientific communication depends primarily on publishing in journals. The most important indicator to determine the influence of a journal is the Impact Factor. Since this factor only measures the average number of citations per article in a certain time window, it can be argued that it does not reflect the actual value of a periodical. This book defines five dimensions, which build a framework for a multidimensional method of journal evaluation. The author is winner of the Eugene Garfield Doctoral Dissertation Scholarship 2011.

A concise, easy-to-read source of essential tips and skills for writing research papers and career management In order to be truly successful in the biomedical professions, one must have excellent communication skills and networking abilities. Of equal importance is the possession of sufficient clinical knowledge, as well as a proficiency in conducting research and writing scientific papers. This unique and important book provides medical students and residents with the most commonly encountered topics in the academic and professional lifestyle, teaching them all of the practical nuances that are often only learned through experience. Written by a team of experienced professionals to help guide younger researchers, *A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing* features ten sections composed of seventy-four chapters that cover: qualities of research scientists; career satisfaction and its determinants; publishing in academic medicine; assessing a researcher's scientific productivity and scholarly impact; manners in academics; communication skills; essence of collaborative research; dealing with manipulative people; writing and scientific misconduct: ethical and legal aspects; plagiarism; research regulations, proposals, grants, and practice; publication and resources; tips on writing every type of paper and report; and much more. An easy-to-read source of essential tips and skills for scientific research Emphasizes good communication skills, sound clinical judgment, knowledge of research methodology, and good writing skills Offers comprehensive guidelines that address

every aspect of the medical student/resident academic and professional lifestyle Combines elements of a career-management guide and publication guide in one comprehensive reference source Includes selected personal stories by great researchers, fascinating writers, inspiring mentors, and extraordinary clinicians/scientists A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing is an excellent interdisciplinary text that will appeal to all medical students and scientists who seek to improve their writing and communication skills in order to make the most of their chosen career.

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