The Impact Factor of Scientific and Scholarly Journals

The art of writing up a completed research project in a format suitable for submission to a social work journal is an ability separate from one's skills as a research methodologist. It is also an ability that, despite its importance, is often overlooked by research courses and senior-level mentors. This straightforward pocket guide to Preparing Research Articles steps into the void as an insider's guide to getting published. Drawing on nearly 20 years of experience editing a social work research journal, Bruce A. Thyer has crafted a candid companion to the journal publishing process, unraveling the mysteries that students - as well as many established researchers - might otherwise stumble over, and as a result their prospectus for future success improve. Thyer's frank advice on selecting an appropriate journal, handling revisions and objections, understanding confusing concepts like impact factors and electronic publishing, and avoiding common methodological and formatting pitfalls, constitute a gold mine for the fledging researcher-writer.

How to Write and Publish a Scientific Research Paper

How to Write a Good Scientific Paper

This doctoral thesis focuses on active Spanish scholarly journals which follow internationally-recognized quality standards, in order to analyze their main features, study the adoption of Open Access, observe the relationship between their price and bibliometric impact, and examine its internationality characteristics. Web of Science (WoS) and Scopus have been selected as the sources for identifying the journals. After depurating mistakes, a final list of 445 journals has resulted. A set of indicators has been defined and all data has been collected from the journals' primary source (website or hard copy).

Government agencies publish only a 4% of all the journals. As to languages, almost half of the journals (47%) are published only in Spanish. Nonetheless, 26% are published both in Spanish and English, and 18% in English. Remaining languages are residual. Free access is the most common type of publication (64.5%), followed by restricted-access (16.6%), embargo (14.4%) and hybrid (4.5%). Free-access is associated with academic publishers, especially journals published in English. Commercial publishers are the second in importance, accounting for the 32% of the journals.

Indeed, 84% of all journals concentrate in only three of the seven subject areas considered for this study - 35% on Social S., 32% on Health S. and 18% on Arts & Humanities. Universities and research centers (mostly the Spanish National Research Council, CSIC) publish 43% of the journals. To run their publishing services, most of them use OJS platforms (34% of the total population). They publish mostly on Arts & Humanities (in Spanish language) and Social Sciences. Online-only format and free access are their favorite output. Commercial publishers are the second in importance, accounting for the 32% of the journals.

After depurating mistakes, a final list of 445 journals has resulted. A set of indicators has been defined and all data has been collected from the journals' primary source (website or hard copy).
Internationality elements present a similar pattern, especially as far as the participation of foreign authors and foreign experts is concerned. Limitations of the study, future research lines and final considerations are provided.

**Advances in Agronomy**

Recent Developments in Management Science in Engineering

The world of scholarly and not-for-profit publishing is facing many challenges at the start of the twenty-first century, from technical and organizational factors to prevailing social and economic conditions. If scholarly journals, in particular, are to survive, the publishers of these journals are going to have to make dramatic changes to the ways they create and distribute them. Work is already underway at some university presses who have developed creative solutions to overcome these challenges in producing print journals. These early innovators represent an opportunity for all publishers to build on the advantages of e-publishing and possibly reach even larger audiences. Scholarly Journals in the New Digital World demystifies the current state of scholarly journal publishing and offers a glimpse of hope for journals in the digital world. It will appeal not only to students and researchers but to anyone who has an interest in the future of publishing.

**Essays of an Information Scientist: 1962-1973**

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. It looks at a fast moving and vital area for academics and publishers that contains contributions from leading international figures from universities and publishers.

**Analysis of the Impact Factor of Scientific Journals**

Are Chemical Journals Too Expensive and Inaccessible?

"Represents the culmination of an 18-month-long project that aims to be the definitive review of this important topic. Accompanied by a scholarly literature review, some new analysis, and a wealth of evidence and insight the report is a tour de force; a once-in-a-generation opportunity to take stock." - Dr Steven Hill, Head of Policy, HEFCE, LSE Impact of Social Sciences Blog 'A must-read if you are interested in having a deeper understanding of research culture, management issues and the range of information we have on this field. It should be disseminated and discussed within institutions, disciplines and other sites of research collaboration.' - Dr Meera Sabaratnam, Lecturer in International Relations at the School of Oriental and African Studies, University of London, LSE Impact of Social Sciences Blog Metrics evoke a mixed reaction from the research community. A commitment to using data and evidence to inform decisions makes many of us sympathetic, even enthusiastic, about the prospect of granular, real-time analysis of our own activities. Yet we only have to look around us at the blunt use of metrics to be reminded of the pitfalls. Metrics hold real power: they are constitutive of values, identities and livelihoods. How to exercise that power to positive ends is the focus of this book. Using extensive evidence-gathering, analysis and consultation, the authors take a thorough look at potential uses and limitations of research metrics and indicators. They explore the use of metrics across different disciplines, assess their potential contribution to the development of research excellence and impact and consider the changing ways in which universities are using quantitative indicators in their management systems. Finally, they consider the negative or unintended effects of metrics on various aspects of research culture. Including an updated introduction from James Wilsdon, the book proposes a framework for responsible metrics and makes a series of targeted recommendations to show how responsible metrics can be applied in research management, by funders, and in the next cycle of the Research Excellence Framework. The metric tide is certainly rising. Unlike King Canute, we have the agency and opportunity - and in this book, a serious body of evidence - to influence how it washes through higher education and research.

**Scientific Journals**

Educational researchers are bound to see this as a timely work. It brings together the work of leading experts in argumentation in science education. It presents research combining theoretical and empirical perspectives relevant for secondary science classrooms. Since the 1990s, argumentation studies have increased at a rapid pace, from stray papers to a wealth of research exploring ever more sophisticated issues. It is this fact that makes this volume so crucial.

The Literature of Forestry and Agroforestry

On October 25-26, 2005, the Chemical Sciences Roundtable held a workshop to explore issues involving those who use and contribute to chemical literature, as well as those who publish and disseminate chemical journals. As a follow-up to the workshop, a summary was written to capture the presentations and discussions that occurred during the workshop. As a forum to discuss chemistry journals within the larger context of scientific, technical and medical journal publishing, the workshop covered whether chemists and chemical engineers have unique journal needs and, if so, whether these needs are being met in the current journal publishing environment. Workshop participants also tackled how open access publishing might be applied to the chemical literature, such as to provide authors more freedom to distribute their articles after publication and allowing free access to chemical literature archives.

**Journals of the Century**

The breadth of the pharmaceutical medicine can be daunting, but this book is designed to navigate a path through the speciality. Providing a broad overview of all topics relevant to the discipline of
pharmaceutical medicine, it gives you the facts fast, in a user-friendly format, without having to dive through page upon page of dense text. With 136 chapters spread across 8 sections, the text offers a thorough grounding in issues ranging from medicines regulation to clinical trial design and data management. This makes it a useful revision aid for exams as well as giving you a taster of areas of pharmaceutical medicine adjacent to your current role. For healthcare professionals already working in the field, this book offers a guiding hand in difficult situations as well as supplying rapid access to the latest recommendations and guidelines. Written by authors with experience in the industry and drug regulation, this comprehensive and authoritative guide provides a shoulder to lean on throughout your pharmaceutical career.

Earth Science and Applications from Space

Natural and human-induced changes in Earth’s interior, land surface, biosphere, atmosphere, and oceans affect all aspects of life. Understanding these changes requires a range of observations acquired from land-, sea-, air-, and space-based platforms. To assist NASA, NOAA, and USGS in developing these tools, the NRC was asked to carry out a “decadal strategy” survey of Earth science and applications from space that would develop the key scientific questions on which to focus Earth and environmental observations in the period 2005-2015 and beyond, and present a prioritized list of space programs, missions, and supporting activities to address these questions. This report presents a vision for the Earth science program; an analysis of the existing Earth Observing System and recommendations to help restore its capabilities; an assessment of and recommendations for new observations and missions for the next decade; an examination of and recommendations for effective application of those observations; and an analysis of how best to sustain that observation and applications system.

Scientific Writing for Impact Factor Journals

Advances in Agronomy continues to be recognized as a leading reference and a first-rate source of the latest research in agronomy. Major reviews deal with the current topics of interest to agronomists, as well as crop and soil scientists. As always, the subjects covered are varied and exemplary of the myriad subject matter dealt with by this long-running serial. Editor Donald Sparks, former president of the Soil Science Society of America and current president of the International Union of Soil Science, is the S. Hallock du Pont Chair of Plant and Soil Sciences at The University of Delaware. Volume 82 contains eight state-of-the-art reviews on topics of interest in the plant and soil sciences. Three of the reviews present cutting-edge molecular scale techniques and approaches that directly impact food production, crop improvement, and environmental quality and sustainability.

Introduction to Scientific Publishing

What Editors Want

Management science in engineering (MSE) is playing an increasingly important role in modern society. In particular, the development of efficient and innovative managerial tools has significantly influenced the research progress of management science. As research is vital for the propagation of leading-edge methods, journal evaluation and classification are critical for scientists, researchers, engineers, practitioners, and graduate students. This book identifies the main research categories of MSE, and evaluates and classifies each MSE journal. It represents the outcome of joint efforts from scientific board members, research fellows, and members of various professional societies. It is ideal for scientists, researchers, practitioners, engineers, graduate students and upper-level undergraduates in engineering management, civil engineering, industrial engineering, environmental engineering, energy engineering, information engineering, and agricultural engineering.

Making Sense of Journals in the Life Sciences

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.

Springer Handbook of Science and Technology Indicators

The present study attempts to examine the numerical correlation between web ranking of electronic scientific journals and impact factor of these journals using the method of regression analysis. Regression
analysis allows the option of investigating and predicting the numerical relationship between website ranking of scientific journals on the World Wide Web and the value of impact factor of the journals. A sample of 57 publishers with 6,272 scientific journals and 50 standalone scientific journals was analyzed during research procedure. In this study, two different indicators about websites classification on World Wide Web were examined separately for 57 publishers and 50 standalone journals, Alexa rank and Statscrop rank. The electronic databases through the internet constitute the main information resources of this study about the impact factors. The general conclusion that arises is that the impact factor of electronic scientific journals illustrates a very strong positive correlation with classification of websites on the World Wide Web. Furthermore, it is concluded that the change of web ranking as a function of impact factor is governed by a Gaussian function or rational function with lower Pearson coefficient and presents non-linearly correlation. Even if there is very strong correlation between impact factor and web rank for electronic journals, the prediction of impact factor from web rank is not possible and presents many divergences.

Citation and Use Patterns of Scientific Journals in Biomedical Libraries

Thorough and up-to-date, this book presents recent developments in this exciting research field. To begin with, the text covers the fabrication of chiral nanomaterials via various synthesis methods, including electron beam lithography, ion beam etching, chemical synthesis and biological DNA directed assembly. This is followed by the relevant theory and reaction mechanisms, with a discussion of the characterization of chiral nanomaterials according to the optical properties of metal nanoparticles, semiconductor nanocrystals, and nanoclusters. The whole is rounded off by a summary of applications in the field of catalysis, sensors, and biomedicine. With its comprehensive yet concise coverage of the whole spectrum of research, this is invaluable reading for senior researchers and entrants to the field of nanoscience and materials science.

Pocket Guide to Preparing Social Work Research Articles

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 academic; 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. 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 careers.

Spanish Scientific Journals in Web of Science and Scopus Adoption of Open Access, Relationship Between Price and Impact, and Internationality

This book, first published in 1987, brings together a variety of sources analysis on the major issues involved in the collection of scientific journals. Working from the premise that scientists tend to know much more about their subject than about their journals, it examines the rationale for journal choices, journals and tenure, journals and budgeting, and the elements of a good journal. It shows librarians how to penetrate the internal structure of some imposing technical literatures in a way that can help them make responsible collection management decisions that even their scientific clientele will respect.

Argumentation in Science Education

This comprehensive yet concise book provides a thorough and complete guide to every aspect of managing the peer review process for scientific journals. Until now, little information has been readily available on how this important facet of the journal publishing process should be conducted properly. Peer Review and Manuscript Management in Scientific Journals fills this gap and provides clear guidance on all aspects of peer review, from manuscript submission to final decision. Peer Review and Manuscript Management in Scientific Journals is an essential reference for science journal editors, editorial office staff and publishers. It is an invaluable handbook for the set-up of new Editorial Offices, as well as a useful reference for well-established journals which may need guidance on a particular situation, or may want to review their current practices. Although intended primarily for journals in science, much of its content will be relevant to other scholarly areas. This wonderful work by Dr. Hames can be used as a textbook in courses for both experienced and novice editors, and I trust that it is what Dr. Hames intended when she prepared this book. Every scientific editor should read it. Journal of Educational Evaluation for Health Professionals, 2008 This book is co-published with the Association of Learned and Professional Society Publishers (ALPSP) (www.alpsp.org) ALPSP members are entitled to a 30% discount on this book.

Scientific Journals: Issues in Library Selection and Management

Scholarly Journals in the New Digital World

Processing the vast amounts of data on the Earth's land surface environment generated by NASA's and other international satellite programs is a significant challenge. Filling a gap between the theoretical, physically-based modelling and specific applications, this in-depth study presents practical quantitative algorithms for estimating various land surface variables from remotely sensed observations. A concise review of the basic principles of optimal remote sensing as well as practical algorithms for estimating land surface variables quantitatively from remotely sensed observations. Emphasizes both the basic principles of optical remote sensing and practical algorithms for estimating land surface variables quantitatively from remotely sensed observations. Presents the current physical understanding of remote physical structure of the Earth's land surface.
sensing as a system with a focus on radiative transfer modelling of the atmosphere, canopy, soil and snow. Gathers the state of the art quantitative algorithms for sensor calibration, atmospheric and topographic correction, estimation of a variety of biophysical and geophysical variables, and four-dimensional data assimilation.

American Eclipse: A Nation’s Epic Race to Catch the Shadow of the Moon and Win the Glory of the World

Publish or Perish. This old adage illustrates the importance of scientific communication; essential to research, it also represents a strategic sector for each country’s competitiveness. An often-neglected topic, scientific communication is of vital importance, with new information technologies accelerating and profoundly changing how knowledge is disseminated. The necessity of optimally disseminating experts’ findings has also become crucial to researchers, institutes and universities alike, which has prompted the recent advent of Impact Factors for the evaluation and financing of research. The goal being for scientific knowledge to be equally distributed to a very broad audience, especially to the media, entrepreneurs and sociopolitical players. This handbook presents the “golden rules” for publishing scientific articles. In order to do away with major recurring errors, the author explains how to easily structure an article and offers support for the typical mistakes made by native French speakers publishing in English, tips on how to make the style more academic or more general to fit your intended readership and, in the book’s closing section, suggests new publishing techniques of the Internet age such as the micro-article, which allows researchers to focus their findings into a single innovative point. The major principles presented can be applied to a broad range of documents such as theses, industry reports, publicity texts, letters of intent, CVs/resumes, blogs and press releases, as all of these documents involve presenting information on advances, discoveries, innovations, or changes to our previous knowledge.

Quantitative Remote Sensing of Land Surfaces

Progress in Molecular Biology and Translational Science, Volume 159, provides the most topical, informative and exciting monographs available on a wide variety of research topics related to prions, viruses, bacteria and eukaryotes. The series includes in-depth knowledge on molecular biological aspects of organismal physiology, along with insights on how this knowledge may be applied to understand and ameliorate human disease. New chapters in this release discuss timely topics, such as Targeting recently deorphanized GPR83 for the treatment of infection, stress, and drug addiction, Arrestin: Structure-Function, Arrestins in the Cardiovascular System, Analysis of biased agonism, and more. Includes comprehensive coverage of molecular biology. Presents ample use of tables, diagrams, schemata, and color figures to enhance the reader’s ability to rapidly grasp the information provided. Contains contributions from renowned experts in the field.

The Impact Factor of Scientific and Scholarly Journals: Its Use and Misuse

This volume of the Encyclopedia of Complexity and Systems Science, Second Edition, focuses on current topics in the field from materials and mechanics to applications of statistical and nonlinear physics in the life sciences. Challenges today are mostly in the realm of non-equilibrium systems, although certain equilibrium systems also present serious hurdles. Where possible, pairwise articles focus on a single topic, one from a theoretical perspective and the other from an experimental one, providing valuable insights. In other cases, theorists and experimentalists have collaborated on a single article. Coverage includes both quantum and classical fields, and emphasizes (1) mature fields that are not covered in the current specialist literature, (2) topics that fall through the cracks in disciplinary journals/books, or (3) developing areas where the knowledge base is large and robust and upon which future developments will depend. The result is an invaluable resource for condensed matter physicists, material scientists, engineers and life scientists.

Developments in Management Science in Engineering 2017

Publish or Perish. This old adage illustrates the importance of scientific communication; essential to research, it also represents a strategic sector for each country’s competitiveness. An often-neglected topic, scientific communication is of vital importance, with new information technologies accelerating and profoundly changing how knowledge is disseminated. The necessity of optimally disseminating experts’ findings has also become crucial to researchers, institutes and universities alike, which has prompted the recent advent of Impact Factors for the evaluation and financing of research. The goal being for scientific knowledge to be equally distributed to a very broad audience, especially to the media, entrepreneurs and sociopolitical players. This handbook presents the “golden rules” for publishing scientific articles. In order to do away with major recurring errors, the author explains how to easily structure an article and offers support for the typical mistakes made by native French speakers publishing in English, tips on how to make the style more academic or more general to fit your intended readership and, in the book’s closing section, suggests new publishing techniques of the Internet age such as the micro-article, which allows researchers to focus their findings into a single innovative point. The major principles presented can be applied to a broad range of documents such as theses, industry reports, publicity texts, letters of intent, CVs/resumes, blogs and press releases, as all of these documents involve presenting information on advances, discoveries, innovations, or changes to our previous knowledge.

Numerical Correlation between Impact Factor and Web Ranking of Electronic Scientific Journals Using Regression Analysis

Research publications have always been key to building a successful career in science, yet little if any formal guidance is offered to young scientists on how to get research papers peer reviewed, accepted, and published by leading scientific journals. With What Editors Want, Phillipa J. Benson and Susan C. Silver, two well-respected editors from the science publishing community, remedy that situation with a clear, straightforward guide that will be of use to all scientists. Benson and Silver instruct readers on how to identify the journals that are most likely to publish a given paper, how to write an effective cover letter, how to avoid common pitfalls of the submission process, and how to effectively navigate the all-important peer review process, including dealing with revisions and rejection. With supplemental advice from more than a dozen experts, this book will equip scientists with the knowledge they need to usher their papers through publication.

Writing Scientific Research Articles

Many scientists and engineers consider themselves poor writers or find the writing process difficult. The good news is that you do not have to be a talented writer to produce a good scientific paper, but you do have to be a careful writer. In particular, writing for a peer-reviewed scientific or engineering journal requires learning and executing a specific formula for presenting scientific work. This book is all about teaching the style and conventions of writing for a peer-reviewed scientific journal. From structure to style, titles to tables, abstracts to author lists, this book gives practical advice about the process of writing a paper and getting it published.
Scientific Writing for Impact Factor Journals

This text guides authors in how to write, as well as what to write, to improve their chances of having their articles accepted for publication in international, peer reviewed journals.

The Future of the Academic Journal

This "suspenseful narrative history" (Maureen Corrigan, NPR) brings to life the momentous eclipse that enthralled a nation and thrust American science onto the world stage. On a scorching July afternoon in 1878, at the dawn of the Gilded Age, the moon's shadow descended on the American West, darkening skies from Montana Territory to Texas. This rare celestial event—a total solar eclipse—offered a priceless opportunity to solve some of the solar system's most enduring riddles, and it prompted a clutch of enterprising scientists to brave the wild frontier in a grueling race to the Rocky Mountains. Acclaimed science journalist David Baron, long fascinated by eclipses, re-creates this epic tale of ambition, failure, and glory in a narrative that reveals as much about the historical trajectory of a striving young nation as it does about those scant three minutes when the blue sky blackened and stars appeared in mid-afternoon. Lauded as a "sweeping, compelling" (Wall Street Journal) work of science history, American Eclipse tells the story of the three tenacious and brilliant scientists who raced to Wyoming and Colorado to observe the rare event. Dedicating years of "exhaustive research to reconstruct a remarkable chapter of U.S. history" (Scientific American), award-winning writer David Baron brings to three-dimensional life these competitors—the planet-hunter James Craig Watson, pioneering astronomer Maria Mitchell, and the ambitious young inventor Thomas Edison—to thrillingly re-create the fierce jockeying of nineteenth-century American astronomy. With spellbinding accounts of train robberies and Indian skirmishes, the mythologized age of the Wild West comes alive as never before. An "enthralling" (Daniel Kevles) and magnificent portrayal of America's dawn as a scientific superpower, American Eclipse depicts a young nation that looked to the skies to reveal its towering ambition and expose its latent genius.

Pharmaceutical Medicine

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 bibliometric metrics and indices, 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, 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.

A Guide to the Scientific Career

This book is a very concise introduction to the basic knowledge of scientific publishing. It starts with the basics of writing a scientific paper, and recalls the different types of scientific documents. In gives an overview on the major scientific publishing companies and different business models. The book also introduces to abstracting and indexing services and how they can be used for the evaluation of science, scientists, and institutions. Last but not least, this short book faces the problem of plagiarism and publication ethics.

The Metric Tide

This book, first published in 1990, examines the relationships between scientists, publishers and journals. It focuses on managing acquisitions budgets, and helps substantive journals selection/deselection decisions to library users and administrators.

Gene Editing in Plants

Get the experts' perspective on the top journals of the 20th century! The Journals of the Century project gathered some of America's top subject expert librarians to determine the most influential journals in their respective fields. Thirty-two contributing authors—led by Editor Tony Stankus—reviewed journals from over 20 countries that have successfully shaped the evolution of their individual specialties worldwide. Their choices reflect the history of each discipline or profession, taking into account rivalries between universities, professional societies, for-profit and not-for-profit publishers, and even nation-states and international ideologies, in each journal's quest for reputational dominance. Each journal was judged using criteria such as longevity of publication, foresight in carving out its niche, ability to attract & sustain professional or academic affiliations, opinion leadership or agenda-setting power, and ongoing criticality to the study or practice of their field. Journals of the Century presents wholly independent reviewers; none are in the employ of any publisher, but each is fully credentialed and well published, and many are award-winners. The authors guide college and professional school librarians on limited budgets via an exposition of their analytical and critical winnowing process in determining the classic resources for their faculty, students, and working professional clientele. The chapters are logically grouped together in six clusters that reflect the commonly shared interests of library liaisons and the range of like-minded academic departments they typically serve. These clusters include (1) helping professionals (chapters on social work, education, psychology, sociology, and library and information sciences) Music, Museums, and Methodists (chapters on visual arts, anthropology, archaeology, philosophy, and the American religious experience) Business and Law (chapters on business and economics, plus legal literature) War and Peace (chapters on modern history, political science and international relations, and military affairs) Physical Sciences and Engineering (chapters on mathematics and the physical sciences as well as engineering and computer science) Life, Health, and Agriculture (chapters on medicine and surgery, pharmacy, physical therapy and nutrition, agriculture, and veterinary medicine) Journals of the Century answers questions such as: Which university press leads in high-ranking titles in the helping professions? In what crime-fighting journal, ironically mentioned within the Music, Museums, and Methodists cluster, do anthropologists routinely publish? What two journals cover the biggest yearly expense of most working Americans and rank highly within both chapters of the Business and Law cluster? What family of British publications has remained indispensable reading for the helping professions? In what crime-fighting journal, ironically mentioned within the Music, Museums, and Methodists cluster, do anthropologists routinely publish? What two journals cover the biggest yearly expense of most working Americans and rank highly within both chapters of the Business and Law cluster? What family of British publications has remained indispensable reading for the helping professions?
covering topics from light bulbs and computers to MRI scanners and windmills? What one-word-titled journal has joined the venerable pair of Nature and Science as the most important reporters of world-class breakthroughs in basic biomedical science? and many, many more! Journals of the Century includes extensive commentaries on each cluster by the editor, with graphical representations by world regions and publishing sectors contributing to each chapter. ISSN numbers for print editions, and URL addresses for online editions are provided in a comprehensive title index. This unique book is an essential resource for serials librarians in academia, new reference librarians familiarizing themselves with classic titles, and collection evaluators and college accreditation examiners.

**Multidimensional Journal Evaluation**

Gene Editing in Plants, Volume 149 aims to provide the reader with an up-to-date survey of cutting-edge research with gene editing tools and an overview of the implications of this research on the nutritional quality of fruits, vegetables and grains. New chapters in the updated volume include topics relating to Genome Engineering and Agriculture: Opportunities and Challenges, the Use of CRISPR/Cas9 for Crop Improvement in Maize and Soybean, the Use of Zinc-Finger Nucleases for Crop Improvement, Gene Editing in Polyploid Crops: Wheat, Camelina, Canola, Potato, Cotton, Peanut, Sugar Cane, and Citrus, and Gene Editing With TALEN and CRISPR/Cas in Rice. This ongoing serial contain contributions from leading scientists and researchers in the field of gene editing in plants who describe the results of their own research in this rapidly expanding area of science. Shows the importance of revolutionary gene editing technology on plant biology research and its application to agricultural production Provides insight into what may lie ahead in this rapidly expanding area of plant research and development Contains contributions from major leaders in the field of plant gene editing

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