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Annual Review of Cell and Developmental Biology  
Flexible Bronchoscopy  
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Scientific Notes

## **Multidimensional Journal Evaluation**

## **How to Write a Good Scientific Paper**

Modern computer-intensive statistical methods play a key role in solving many problems across a wide range of scientific disciplines. Like its bestselling predecessors, the fourth edition of *Randomization, Bootstrap and Monte Carlo Methods in Biology* illustrates a large number of statistical methods with an emphasis on biological applications. The focus is now on the use of randomization, bootstrapping, and Monte Carlo methods in constructing confidence intervals and doing tests of significance. The text provides comprehensive coverage of computer-intensive applications, with data sets available online. Features  
Presents an overview of computer-intensive statistical methods and applications in biology  
Covers a wide range of methods including bootstrap, Monte Carlo, ANOVA, regression, and Bayesian methods  
Makes it easy for biologists, researchers, and students to understand the methods used  
Provides information about computer programs and packages to implement calculations, particularly using R code  
Includes a large number of real examples from a range of biological disciplines

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Written in an accessible style, with minimal coverage of theoretical details, this book provides an excellent introduction to computer-intensive statistical methods for biological researchers. It can be used as a course text for graduate students, as well as a reference for researchers from a range of disciplines. The detailed, worked examples of real applications will enable practitioners to apply the methods to their own biological data.

### **The Art of Being a Scientist**

### **European Science Editing**

This book is a full guidebook among more than 218 accounting international journals with an evaluation of 3,000 publications for over the last two years. It aims to help readers for selecting an appropriate journal for publishing own research in the international arena or to find the required topic for conducting further investigating or to be informed about so large-scale science as accounting. Here a reader will find detailed information about accounting journals in terms of Scopus, Web of Science and SCImago databases. In addition, there are highlighted accounting journals in terms of IFRS and blockchain concentration in accounting researches nowadays. The relevant aims and scope of each journal are also

presented. Anyway, this book is an indispensable assistant for students while getting the “Accounting” specialization, as well as teachers and scientists while conducting empirical researches in the practice and theory of the accounting field.

### **How Scientists Communicate**

#### **Library & Information Science Abstracts**

The transmission of information transcends time. Since the beginning of humanity, people have shared stories, dreams, wishes, and findings. Within a scientific context, the delivery of information is especially important. Researchers have been sharing their ideas and building on the work of others for as long as we have studied our world. How can a researcher ensure their ideas will be shared most effectively with the next generation, though? In *How Scientists Communicate*, Alan Kelly accompanies readers through the many processes of scholarly communication within the field of science. The chapters include an analysis of modern scientific communication, an overview of the historical development of such communication, the nature and goals of a scientific research paper, as well as practical and applicable information for researchers. He explores scientific communication from various perspectives, including the writing process, stages of

writing, evaluation through peer review, publication, and what happens afterwards. This exploration into scientific writing emphasizes the importance of readability and writing for the intended audience. Kelly engages with landmark historical papers, but he doesn't shy away from his own experiences and opinions. This treatise on the art of scientific communication is interesting for readers with various levels of experience, making this book a go-to resource for anyone trying to share their ideas within the scientific community, or interested in how the outputs of science impact our world.

### **Scientific Writing for Impact Factor Journals**

#### **Resilient Health Care**

The study of narratives in a variety of disciplines has grown in recent years as a method of better explaining underlying concepts in their respective fields. Through the use of Narrative Policy Framework (NPF), political scientists can analyze the role narrative plays in political discourse.

#### **Brute Facts**

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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.

## **Journal of Scientific & Industrial Research**

Despite an enduring belief that science should be taught, there has been no enduring consensus about how or why. This is especially true when it comes to teaching scientific process. John Rudolph shows that how we think about and teach science will either sustain or thwart future innovation, and determine how science is perceived by the public.

## **Annual Review of Genomics and Human Genetics 2012**

## **Australian Journal of Plant Physiology**

## **Citation and Use Patterns of Scientific Journals in Biomedical Libraries**

This contributed volume is a result of discussions held at ABICT'13(4th International Workshop on Advances in Business ICT) in Krakow, September 8-11, 2013. The book focuses on Advances in Business ICT approached from a multidisciplinary perspective and demonstrates different ideas and tools for

developing and supporting organizational creativity, as well as advances in decision support systems. This book is an interesting resource for researchers, analysts and IT professionals including software designers. The book comprises eleven chapters presenting research results on business analytics in organization, business processes modeling, problems with processing big data, nonlinear time structures and nonlinear time ontology application, simulation profiling, signal processing (including change detection problems), text processing and risk analysis.

### **Journal of Information Science**

### **Proceedings**

### **Engineering Education and Management**

Interpreting Biomedical Science: Experiment, Evidence, and Belief discusses what can go wrong in biological science, providing an unbiased view and cohesive understanding of scientific methods, statistics, data interpretation, and scientific ethics that are illustrated with practical examples and real-life applications. Casting

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a wide net, the reader is exposed to scientific problems and solutions through informed perspectives from history, philosophy, sociology, and the social psychology of science. The book shows the differences and similarities between disciplines and different eras and illustrates the concept that while sound methodology is necessary for the progress of science, we cannot succeed without a right culture of doing things. Features theoretical concepts accompanied by examples from biological literature Contains an introduction to various methods, with an emphasis on statistical hypothesis testing Presents a clear argument that ties the motivations and ethics of individual scientists to the success of their science Provides recommendations on how to safeguard against scientific misconduct, fraud, and retractions Arms young scientists with practical knowledge that they can use every day

### **Database**

### **Advances in ICT for Business, Industry and Public Sector**

### **Library Trends**

Brute facts are facts that don't have explanations. Such facts appear in our explanations, inform many people's views about the structure of the world, and are part of philosophical interpretations in metaphysics and the philosophy of science. Yet, despite the considerable literature on explanation, the question of bruteness has been left largely unexamined. The chapters in *Brute Facts* address this gap in academic thought by exploring the central considerations which surround this topic. How can we draw a distinction between facts that can reasonably be thought of as brute and facts for which further explanation is possible? Can we explain something and gain understanding by appealing to brute facts? Is naturalism inconsistent with the existence of (non-physical) brute facts? Can modal facts be brute facts? Are emergent facts brute? This volume brings together contributions by authors who offer different answers to these questions. In presenting a range of different viewpoints on these matters, *Brute Facts* engages with major debates in contemporary philosophy concerning modality, naturalism, consciousness, reduction and explanation.

### **The New Mechanical Philosophy**

### **The Scientific Journal**

## **The Territories of Science and Religion**

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.

## **Randomization, Bootstrap and Monte Carlo Methods in Biology**

### **Accounting Journals: Scopus, Web of Science, SCImago**

A Nobel Prize-winning cancer biologist, leader of major scientific institutions, and scientific adviser to President Obama reflects on his remarkable career. A PhD candidate in English literature at Harvard University, Harold Varmus discovered he was drawn instead to medicine and eventually found himself at the forefront of cancer research at the University of California, San Francisco. In this “timely memoir of a remarkable career” (American Scientist), Varmus considers a life’s work that thus far includes not only the groundbreaking research that won him a Nobel Prize but also six years as the director of the National Institutes of Health; his current position as the president of the Memorial Sloan-Kettering Cancer Center; and his important, continuing work as scientific adviser to President Obama. From this truly unique perspective, Varmus shares his experiences from the trenches of politicized battlegrounds ranging from budget fights to stem cell research, global health to science publishing.

### **The COVID-19 Catastrophe**

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This is a hands-on guide for graduate students and young researchers wishing to perfect the practical skills needed for a successful research career. By teaching junior scientists to develop effective research habits, the book helps to make the experience of graduate study a more efficient and rewarding one. The authors have taught a graduate course on the topics covered for many years, and provide a sample curriculum for instructors in graduate schools wanting to teach a similar course. Topics covered include choosing a research topic, department, and advisor; making workplans; the ethics of research; using scientific literature; perfecting oral and written communication; publishing papers; writing proposals; managing time effectively; and planning a scientific career and applying for jobs in research and industry. The wealth of advice is invaluable to students, junior researchers and mentors in all fields of science, engineering, and the humanities. The authors have taught a graduate course on the topics covered for many years, and provide a sample curriculum for instructors in graduate schools wanting to teach a similar course. The sample curriculum is available in the book as Appendix B, and as an online resource.

### **The Impact Factor of Scientific and Scholarly Journals**

Global University Rankings explores the novel topic of global university rankings and their effects on higher education in Europe. The contributions in this volume outline different discourses on global university rankings and explore the related

changes concerning European higher education policies, disciplinary traditions and higher education institutions. The first global university rankings were published less than a decade ago, but these policy instruments have become highly influential in shaping the approaches and institutional realities of higher education. The rankings have portrayed European academic institutions in a varying light. There is intense reflexivity over the figures, leading to ideational changes and institutional adaptation that take surprisingly similar forms in different European countries. The contributions in this book critically assess global university rankings as a policy discourse that would seem to be instrumental to higher education reform throughout Europe.

### **The Art and Politics of Science**

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.

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

Properly performing health care systems require concepts and methods that match their complexity. Resilience engineering provides that capability. It focuses on a system's overall ability to sustain required operations under both expected and unexpected conditions rather than on individual features or qualities. This book contains contributions from international experts in health care, organisational studies and patient safety, as well as resilience engineering. Whereas current safety approaches primarily aim to reduce the number of things that go wrong, Resilient Health Care aims to increase the number of things that go right.

## **Journal of Scientific and Industrial Research**

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.

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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](http://www.writeresearch.com.au)

### **La Biologie moléculaire et l'avenir du Canada : rapport d'étude : la recherche fondamentale en biologie moléculaire : mesure comparative de la performance du Canada à l'échelle internationale**

Principles & practice.

### **The Science of Stories**

### **Global University Rankings**

Scientific communication depends primarily on publishing in journals. The most

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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.

### **Interpreting Biomedical Science**

In this fourth edition of the popular Flexible Bronchoscopy, which has been revised and updated throughout, the world's leading specialists discuss the technical and procedural aspects of performing diagnostic and therapeutic bronchoscopy. Four new chapters have been added, taking into account new developments in EBUS and electromagnetic navigation.

### **How We Teach Science**

The New Mechanical Philosophy argues for a new image of nature and of science—one that understands both natural and social phenomena to be the product of mechanisms, and that casts the work of science as an effort to discover and understand those mechanisms. Drawing on an expanding literature on

mechanisms in physical, life, and social sciences, Stuart Glennan offers an account of the nature of mechanisms and of the models used to represent them. A key quality of mechanisms is that they are particulars - located at different places and times, with no one just like another. The crux of the scientist's challenge is to balance the complexity and particularity of mechanisms with our need for representations of them that are abstract and general. This volume weaves together metaphysical and methodological questions about mechanisms. Metaphysically, it explores the implications of the mechanistic framework for our understanding of classical philosophical questions about the nature of objects, properties, processes, events, causal relations, natural kinds and laws of nature. Methodologically, the book explores how scientists build models to represent and understand phenomena and the mechanisms responsible for them. Using this account of representation, Glennan offers a scheme for characterizing the enormous diversity of things that scientists call mechanisms, and explores the scope and limits of mechanistic explanation.

### **Writing Scientific Research Articles**

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

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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.

### **Annual Review of Cell and Developmental Biology**

The global response to the Covid-19 pandemic is the greatest science policy failure in a generation. We knew this was coming. Warnings about the threat of a new pandemic have been made repeatedly since the 1980s and it was clear in January that a dangerous new virus was causing a devastating human tragedy in China. And yet the world ignored the warnings. Why? In this short and hard-hitting book,

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Richard Horton, editor of the medical journal *The Lancet*, scrutinizes the actions that governments around the world took – and failed to take – as the virus spread from its origins in Wuhan to the global pandemic that it is today. He shows that many Western governments and their scientific advisors made assumptions about the virus and its lethality that turned out to be mistaken. Valuable time was lost while the virus spread unchecked, leaving health systems unprepared for the avalanche of infections that followed. Drawing on his own scientific and medical expertise, Horton outlines the measures that need to be put in place, at both national and international levels, to prevent this kind of catastrophe from happening again. We're supposed to be living in an era where human beings have become the dominant influence on the environment, but Covid-19 has revealed the fragility of our societies and the speed with which our systems can come crashing down. We need to learn the lessons of this pandemic and we need to learn them fast because the next pandemic may arrive sooner than we think.

### **Flexible Bronchoscopy**

Where did humanity get the idea that outer space is a frontier waiting to be explored? *Destined for the Stars* unravels the popularization of the science of space exploration in America between 1944 and 1955, arguing that the success of the US space program was due not to technological or economic superiority, but was sustained by a culture that had long believed it was called by God to settle

new frontiers and prepare for the inevitable end of time and God's final judgment. Religious forces, Newell finds, were in no small way responsible for the crescendo of support for and interest in space exploration in the early 1950s, well before Project Mercury--the United States' first human spaceflight program--began in 1959. In this remarkable history, Newell explores the connection between the art of Chesley Bonestell--the father of modern space art whose paintings drew inspiration from depictions of the American West--and the popularity of that art in Cold War America; Bonestell's working partnership with science writer and rocket expert Willy Ley; and Ley and Bonestell's relationship with Wernher von Braun, father of both the V-2 missile and the Saturn V rocket, whose millennial conviction that God wanted humankind to leave Earth and explore other planets animated his life's work. Together, they inspired a technological and scientific faith that awoke a deep-seated belief in a sense of divine destiny to reach the heavens. The origins of their quest, Newell concludes, had less to do with the Cold War strife commonly associated with the space race and everything to do with the religious culture that contributed to the invention of space as the final frontier.

### **Destined for the Stars**

Peter Harrison takes what we think we know about science and religion, dismantles it, and puts it back together again in a provocative new way. It is a mistake to assume, as most do, that the activities and achievements that are usually labeled

religious and scientific have been more or less enduring features of the cultural landscape of the West. Harrison, by setting out the history of science and religion to see when and where they come into being and to trace their mutations over time reveals how distinctively Western and modern they are. Only in the past few hundred years have religious beliefs and practices been bounded by a common notion and set apart from the secular. And the idea of the natural sciences as discrete activities conducted in isolation from religious and moral concerns is even more recent, dating from the nineteenth century. Putting the so-called opposition between religion and science into historical perspective, as Harrison does here for the first time, has profound implications for our understanding of the present and future relations between them. "

### **Endocrine Conditions in Pediatrics**

### **European Scientific Notes**

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