Category Normalized Citation Impact Thomson Reuters

Explains numerous informetric regularities based on a decreasing power law as size-frequency function, i.e. Lotka's law. It revives the historical formulation of Alfred Lotka of 1926 and shows the power of this power law, both in classical aspects of informetrics (libraries, bibliographies) and in 'new' applications such as social networks.

After a brief account of the recent trends in science indicatiors research, the authors propose a coherent system of scientometric indicators. These indicators are based on the publication performance of each country in 8 science fields and reflect the versatility of the impact of the publication activity in the country in question. The special aim of the indicator system is to characterize and compare the contribution of research-intensive, medium-sized and small countries to the world's overall scientific research activity. Indicator values for 32 such countries are reported and evaluated. Relations to other economic, social and science indicators are discussed.This book is intended both as a data source and an analytic tool for specialists engaged in science policy, science management, science indicators research, scientometrics and other areas of science as well as a tool for practising research scientists.

This book is an authoritative handbook of current topics, technologies and methodological approaches that may be used for the study of scholarly impact. The included methods cover a range of fields such as statistical sciences, scientific visualization, network analysis, text mining, and information retrieval. The techniques and tools enable researchers to investigate metric phenomena and to assess scholarly impact in new ways. Each chapter offers an introduction to the selected topic and outlines how the topic, technology or methodological approach may be applied to metrics-related research. Comprehensive and up-to-date, Measuring Scholarly Impact: Methods and Practice is designed for researchers and scholars interested in informetrics, scientometrics, and text mining. The hands-on perspective is also beneficial to advanced-level students in fields from computer science and statistics to information science.

This book is written for members of the scholarly research community, and for persons involved in research evaluation and research policy. More specifically, it is directed towards the following four main groups of readers: – All scientists and scholars who have been or will be subjected to a quantitative assessment of research performance using citation analysis. – Research policy makers and managers who wish to become conversant with the basic features of citation analysis, and about its potentialities and limitations. – Members of peer review committees and other evaluators, who consider the use of citation analysis as a tool in their assessments. – Practitioners and students in the field of

quantitative science and technology studies, informetrics, and library and information science. Citation analysis involves the construction and application of a series of indicators of the 'impact', 'influence' or 'quality' of scholarly work, derived from citation data, i.e. data on references cited in footnotes or bibliographies of scholarly research publications. Such indicators are applied both in the study of scholarly communication and in the assessment of research performance. The term 'scholarly' comprises all domains of science and scholarship, including not only those fields that are normally denoted as science – the natural and life sciences, mathematical and technical sciences – but also social sciences and humanities.

A 21st Century Librarian's Guide to Bibliometrics, Altmetrics, and Research Impact

Springer Handbook of Science and Technology Indicators

Analyzing Scientific Periodicals beyond the Impact Factor

Publishing and the Academic World

Citation Analysis in Research Evaluation

World University Rankings and the Future of Higher Education

The Use of Publication and Patent Statistics in Studies of S&T Systems

For many years, intensive care has focused on avoiding immediate death from acute, life-threatening conditions. However, there are increasing reports of a number of lingering consequences for those who do indeed survive intensive care. Examples include on-going high risk of death, neurocognitive defects, significant caregiver burden, and continued high healthcare costs. Surviving Intensive Care, written by the world's experts in this area, is dedicated to better understanding the consequences of surviving intensive care and is intended to provide a synopsis of the current knowledge and a stimulus for future research and improved care of the critically ill. Aimed at academics, academic managers and administrators, professionals in scientometrics, information scientists and science policy makers at all levels. This book reviews the principles, methods and indicators of scientometric evaluation of information processes in science and assessment of the publication activity of individuals, teams, institutes and countries. It provides scientists, science officers, librarians and students with basic and advanced knowledge on evaluative scientometrics. Especially great stress is laid on the methods applicable in practice and on the clarification of quantitative aspects of impact of scientific publications measured by citation indicators. Written by a highly knowledgeable and well-respected scientist in the field Provides practical and realistic quantitative methods for evaluating scientific publication activities of individuals, teams, countries and journals Gives standardized descriptions and classification of the main categories of evaluative scientometrics

This two-volume set, consisting of LNCS 8403 and LNCS 8404, constitutes the thoroughly refereed proceedings of the 14th International Conference on Intelligent Text Processing and Computational Linguistics, CICLing 2014, held in Kathmandu, Nepal, in April 2014. The 85 revised papers presented together with 4 invited papers were carefully reviewed and selected from 300 submissions. The papers are organized in the following topical sections: lexical resources; document representation; morphology, POS-tagging, and named entity recognition; syntax and parsing; anaphora resolution; recognizing textual entailment; semantics and discourse; natural language generation; sentiment analysis and emotion recognition; opinion mining and social networks; machine translation and multilingualism; information retrieval; text classification and clustering; text summarization; plagiarism detection; style and spelling checking; speech processing; and applications.

Within the Academy, itself a changing and increasingly entrepreneurial entity, publishing is no longer an option; it is the universal currency that secures a position, tenure and promotion; it is key to academic life. Providing a panoramic picture of the changing publishing climate, Academic Life and the Publishing Landscape will empower scholars by enabling them to navigate this changing terrain more successfully. This book provides guidance from a range of contributors who use their own wide expertise in writing and publication to document the challenges faced by scholars at different career stages and in different locations. It covers a wide range of debates on publishing, spilt into the following three sections: Mapping the Publication Landscape, Writing for Publication—Learning from Successful Voices, Further Challenges and Possibilities. With topics ranging from the process of preparing manuscripts for publication, including chapters on calculating journal rankings and understanding the Peer Review process, through to chapters on speaking to international audiences and writing for elite international journals, this book offers a unique perspective on how the changing nature of publishing works. This will be a useful guide for scholars across the globe looking to enhance their publication performance, and those questioning what needs to be done in order to understand, navigate and to (re-)position one's self and institution in this increasingly significant and rapidly altering terrain. Ciaran Sugrue is Professor of Education, University College Dublin, Ireland and has been Head of School from 2011-14. Sefika Mertkan is an Assistant Professor of Educational Leadership and Management at Eastern Mediterranean University.

The Development, Measurement, and Self-organization of Scientific Communications

The Challenge of Scientometrics

Multidimensional Journal Evaluation

Independent Review of the Role of Metrics in Research Assessment and Management

Internationalization of the Social Sciences

Science & Engineering Indicators

Lotkaian Informetrics

This handbook offers a state-of-the-art overview of quantitative science and technology research. It focuses on the development and application of indicators derived from data on scientific or scholarly publications and patents. It comprises 34 chapters written by leading specialists in the various sub-domains. These chapters deal with theoretical and methodological issues, illustrate applications, and highlight their policy context and relevance. Authors present a survey of the research topics they address, and show their most recent achievements. The 34 chapters are arranged into 5 parts: Disciplinary Approaches; General Methodology; The Science System; The Technology System; and The Science-Technology Interface. The Editor's Introduction provides a further specification of the handbook's scope and of the main topics addressed in its chapters. This handbook aims at four distinct groups of readers: - practitioners in the field of science and technology studies; - research students in this field; - scientists, scholars and technicians who are interested in a systematic, thorough analysis of their activities; - policy makers and administrators who wish to be informed about the potentialities and limitations of the various approaches and about their results.

This is an open access book. The book provides an overview of the state of research in developing countries – Africa, Latin America, and Asia (especially India) and why research and publications are important in these regions. It addresses budding but struggling academics in low and middle-income countries. It is written mainly by

senior colleagues who have experienced and recognized the challenges with design, documentation, and publication of health research in the developing world. The book includes short chapters providing insight into planning research at the undergraduate or postgraduate level, issues related to research ethics, and conduct of clinical trials. It also serves as a guide towards establishing a research question and research methodology. It covers important concepts such as writing a paper, the submission process, dealing with rejection and revisions, and covers additional topics such as planning lectures and presentations. The book will be useful for graduates, postgraduates, teachers as well as physicians and practitioners all over the developing world who are interested in academic medicine and wish to do medical research.

Provides a broad base of quantitative info. about U.S. science, engin., and technology. Because of the spread of scientific and tech. capabilities around the world, this report presents a significant amount of material about these internat. capabilities and analyzes the U.S. position in this broader context. Contains quantitative analyses of key aspects of the scope, quality, and vitality of the Nation¿s science and engineering (S&E) enterprise. It presents info. on science, math, and engineering. educ. at all levels; the S&E workforce; U.S. internat. R&D perform. and competitiveness in high tech.; and public attitudes and understanding of S&E. Also info. on state-level S&E indicators. Presents the key themes emerging from these analyses. Illus.

In recent years there has been an increasing demand for research evaluation within universities and other research-based organisations. In parallel, there has been an increasing recognition that traditional citation-based indicators are not able to reflect the societal impacts of research and are slow to appear. This has led to the creation of new indicators for different types of research impact as well as timelier indicators, mainly derived from the Web. These indicators have been called altmetrics, webometrics or just web metrics. This book describes and evaluates a range of web indicators for aspects of societal or scholarly impact, discusses the theory and practice of using and evaluating web indicators for research assessment and outlines practical strategies for obtaining many web indicators. In addition to describing impact indicators for traditional scholarly outputs, such as journal articles and monographs, it also covers indicators for videos, datasets, software and other non-standard scholarly outputs. The book describes strategies to analyse web indicators for individual publications as well as to compare the impacts of groups of publications. The practical part of the book includes descriptions of how to use the free software Webometric Analyst to gather and analyse web data. This book is written for information science undergraduate and Master's students that are learning about alternative indicators or scientometrics as well as Ph.D. students and other researchers and practitioners using indicators to help assess research impact or to study scholarly communication.

Citation Indexing, Its Theory and Application in Science, Technology, and Humanities

Trends and Research

Harnessing Multidimensional Indicators of Scholarly Impact

Beyond Bibliometrics

Its Strengths and Weaknesses

Research evaluation metrics

Theories of Informetrics and Scholarly Communication

University rankings have gained popularity around the world and are now a significant factor shaping reputation. This second edition updates Ellen Hazelkorn's first comprehensive study of rankings from a global perspective, drawing in new original research and extensive analysis. It is essential reading for policymakers, managers and scholars.

Scientometrics--the quantitative study of scientific communication--challenges science and technology studies by demonstrating that organized knowledge production and control is amenable to measurement. First, the various dimensions of the empirical study of the sciences are clarified in a methodological analysis of theoretical traditions, including the sociology of scientific knowledge and neo-conventionalism in the philosophy of science. Second, the author argues why the mathematical theory of communication enables us to address crucial problems in science and technology studies, both on the qualitative side (e.g., the significance of a reconstruction) and on the quantitative side (e.g., the prediction of indicators). A comprehensive set of probabilistic entropy measures for studying complex developments in networks is elaborated. In the third part of the study, applications to S&T policy questions (e.g., the emergence of a European R&D system), to problems of (Bayesian) knowledge representations, and to the study of the sciences in terms of 'self-organizing' paradigms of scientific communication are provided. A discussion of directions for further research concludes the study.

This book offers a design research methodology intended to improve the quality of design research- its academic credibility, industrial significance and societal contribution by enabling more thorough, efficient and effective procedures.

The Evaluation of Research by Scientometric IndicatorsElsevier

Research Methodology

Asia - Latin America - Middle East - Africa - Eurasia

Handbook of Quantitative Science and Technology Research

Introduction to the New Statistics

A Practical and Scientific Approach

Web Indicators for Research Evaluation

Rankings and the Reshaping of Higher Education

This paper investigates the citation impact of three large geographical areas -- the U.S., the European Union (EU), and the rest of the world (RW) -- at different aggregation levels. The difficulty is that 42% of the 3.6 million articles in our Thomson Scientific dataset are assigned to several sub-fields among a set of 219 Web of Science categories. We follow a multiplicative approach in which every article is wholly counted as many times as it appears at each aggregation level. We compute the crown indicator and the Mean Normalized Citation Score (MNCS) using for the first time sub-field normalization procedures for the multiplicative case.

We also compute a third indicator that does not correct for differences in citation practices across sub-fields. It is found that: (1) No geographical area is systematically favored (or penalized) by any of the two normalized indicators. (2) According to the MNCS, only in six out of 80 disciplines -- but in none of 20 fields -- is the EU ahead of the U.S. In contrast, the normalized U.S./EU gap is greater than 20% in 44 disciplines, 13 fields, and for all sciences as a whole. The dominance of the EU over the RW is even greater. (3) The U.S. appears to devote relatively more -- and the RW less -- publication effort to subfields with a high mean citation rate, which explains why the U.S./EU and EU/RW gaps for all sciences as a whole increase by 4.5 and 5.6 percentage points in the un-normalized case.

"I enthusiastically endorse the fourth edition of IHRM. The editors are to be congratulated for recruiting the top-rated authors in this field to contribute to this volume. The chapters are up to date, insightful, and sometimes even provocative. Students, including post-grads and advanced undergraduates, as well as savvy practitioners, will benefit from reading this volume." Neal M. Ashkanasy, Professor of Management, The University of Queensland Anne-Wil Harzing and Ashly Pinnington's bestselling textbook has guided thousands of students through their International Human Resource Management studies. The fourth edition retains the critical edge, academic rigour and breadth of coverage which have established this book as the most authoritative text on the market. The new edition by our international team of experts provides an even more stimulating journey through the core curriculum, contemporary debates and emerging issues in IHRM. New for the fourth edition: Reduced number of chapters to allow for greater depth and an improved structure ensuring fundamental topics underpin your knowledge Expanded coverage of Equality and Diversity, Corporate Social Responsibility and Sustainability and Cross-Cultural Management in line with developments in the field New Stop and Reflect feature provides an opportunity to test your understanding at regular intervals This text comes with access to a companion website containing web links, SAGE journal articles and more.

This is the first introductory statistics text to use an estimation approach from the start to help readers understand effect sizes, confidence intervals (CIs), and meta-analysis ('the new statistics'). It is also the first text to explain the new and exciting Open Science practices, which encourage replication and enhance the trustworthiness of research. In addition, the book explains NHST fully so students can understand published research. Numerous real research examples are used throughout. The book uses today's most effective learning strategies and promotes critical thinking, comprehension, and retention, to deepen users' understanding of statistics and modern research methods. The free ESCI (Exploratory Software for Confidence Intervals) software makes concepts visually vivid, and provides calculation and graphing facilities. The book can be used with or without ESCI. Other highlights include: - Coverage of both estimation and NHST approaches, and how to easily translate between the two. - Some exercises use ESCI to analyze data and create graphs including CIs, for best understanding of estimation methods. -Videos of the authors describing key concepts and demonstrating use of ESCI provide an engaging learning tool for traditional or flipped classrooms. -In-chapter exercises and quizzes with related commentary allow students to learn by doing, and to monitor their progress. -End-of-chapter exercises and commentary, many using real data, give practice for using the new statistics to analyze data, as well as for applying research judgment in realistic contexts. -Don't fool yourself tips help students avoid common errors. -Red Flags highlight the meaning of "significance" and what p values actually mean. -Chapter outlines, defined key terms, sidebars of key points, and summarized take-home messages provide a study tool at exam time.

-http://www.routledge.com/cw/cumming offers for students: ESCI downloads; data sets; key term flashcards; tips for using SPSS for analyzing data; and videos. For instructors it offers: tips for teaching the new statistics and Open Science; additional homework exercises; assessment items; answer keys for homework and assessment items; and downloadable text images; and PowerPoint lecture slides. Intended for introduction to statistics, data analysis, or quantitative methods courses in psychology, education, and other social and health sciences, researchers interested in understanding the new statistics will also appreciate this book. No familiarity with introductory statistics is assumed.

This book presents an introduction to the field of applied evaluative informetrics, dealing with the use of bibliometric or informetric indicators in research assessment. It sketches the field's history, recent achievements, and its potential and limits. The book dedicates special attention to the application context of quantitative research assessment. It describes research assessment as an evaluation science, and distinguishes various assessment models, in which the domain of informetrics and the policy sphere are disentangled analytically. It illustrates how external, non-informetric factors influence indicator development, and how the policy context impacts the setup of an assessment process. It also clarifies common misunderstandings in the interpretation of some often used statistics. Addressing the way forward, the book expresses the author's critical views on a series of fundamental problems in the current use of research performance indicators in research assessment. Highlighting the potential of informetric techniques, a series of new features is proposed that could be implemented in future assessment processes. It sketches a perspective on altmetrics and proposes new lines in longer term, strategic indicator research. It is written for interested scholars from all domains of science and scholarship, and especially for all those subjected to research assessment, research students at advanced master and PhD level, research managers, funders and science policy officials, and to practitioners and students in the field.

Editorial Peer Review

Methods and Practice

The Metric Tide

Essays of an Information Scientist: 1962-1973

How to Practice Academic Medicine and Publish from Developing Countries?

A Practical Guide

Estimation, Open Science, and Beyond

'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.

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

This book is the first to provide an in-depth analysis of the peer review process in scholarly publishing. Author Weller offers a systematic review of published studies of editorial peer review in the following broad categories: general studies of rejection rates, studies of editors, studies of authors, and studies of reviewers. The book concludes with an examination of new models of editorial peer review intended to enhance the scientific communication process as it moves from a print to an electronic environment.

Internationalization of the social sciences rests on the setup of international scientific infrastructures, networks, and research agendas. Yet it has also stimulated discussions on academic dependency and the need for the indigenization of theories and methods. This book traces phenomena that accompany the internationalization of social sciences in different parts of the world. Contributions from East Asia, India, Russia, Turkey, Lebanon, Jordan, South

Africa, and Latin America offer manifold perspectives on the pathways and desiderata of internationalization and make this volume an important basis for future debates.

International Human Resource Management

Sub-field Normalization in the Multiplicative Case

Power Laws in the Information Production Process

15th International Conference, CICLing 2014, Kathmandu, Nepal, April 6-12, 2014, Proceedings, Part II

The Battle for World-Class Excellence

Science and Engineering Indicators (2 Vol.)

The Flow of Ideas Within and Among Disciplines

The Encyclopedia of Library and Information Sciences, comprising of seven volumes, now in its fourth edition, compiles the contributions of major researchers and practitioners and explores the cultural institutions of more than 30 countries. This major reference presents over 550 entries extensively reviewed for accuracy in seven print volumes or online. The new fourth edition, which includes 55 new entires and 60 revised entries, continues to reflect the growing convergence among the disciplines that influence information and the cultural record, with coverage of the latest topics as well as classic articles of historical and theoretical importance.

Research Management: Europe and Beyond addresses the myriad responsibilities related to research management and administration. The book incorporates narratives from those working in the field to provide insight into the profession. The book also offers a unique perspective on the topic by incorporating global perspectives to address the growing interdisciplinary nature of research collaboration. The book outlines practical advice for those in the research management and administration profession at all levels of experience. It is also a useful tool that research institutions and research groups can use to assist in planning and streamlining their research support. Offers a deeper understanding of the research management and administrative landscape through single and collective definitions and experiences Provides an overview of the research environment and explores the international research arena Discusses some of the most complex issues in research management and administration by covering topics such as ethics, innovation, research impact, organizational structures, and processes for the project life cycle

NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT -- OVERSTOCK SALE -- Significantly reduced list price Summarizes and updates the current National Cooperative Soil Survey conventions for describing soils. Intended to be both current and usable by the entire soil science community. The text explores the types of soil techniques and includes a Field Equipment checklist with samples of common soil equipment as part of the field guide. Other related products: Keys to Soil Taxonomy (2014) can be found here: https: //bookstore.gpo.gov/products/sku/001-000-04761-2 Keys to Soil Taxonomy, 2010 can be found here: https: //bookstore.gpo.gov/products/sku/001-000-04745-1 Drainage Manual can

*be found here: https:
//bookstore.gpo.gov/products/sku/024-003-00177-5 Converging Waters:
Integrating Collaborative Modeling With Participatory Processes to
Make Water Resources Decisions can be found here: https:
//bookstore.gpo.gov/products/sku/008-022-00349-5 Water Measurement
Manual: A Guide to Effective Water Measurement Practices for Better
Water Management can be found here: https:
//bookstore.gpo.gov/products/sku/024-003-00215-1 Ground Water Manual:
A Guide for the Investigation, Development, and Management of Ground-
Water Resources can be found here: https:
//bookstore.gpo.gov/products/sku/024-003-00179-1"
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.
A 32 Country Comparative Evaluation of Publishing Performance and
Citation Impact
Building World-Class Universities
Applied Evaluative Informetrics
Europe and Beyond*

Average-based Citation Indicators
Research Management

This book explores the development, trends and research of library and
information sciences (LIS) in the digital age. Inside, readers will find research and
case studies written by LIS experts, educators and theorists, most of whom have

visited China, delivered presentations there and drafted their articles based on feedback they received. As a result, readers will discover the LIS issues and concerns that China and the international community have in common. The book first introduces the opportunities and challenges faced by the library and information literacy profession and discusses the key role of librarians in the future of information literacy education. Next, it covers trends in LIS education by examining the vision of the iSchool movement and detailing its practice in Syracuse University. The book then covers issues in information seeking and retrieval by showing how visual data mining technology can be used to detect the relationship and pattern between terms on the Q&A of a social media site. It also includes a case study regarding tracing information seeking behavior and usage on a multimedia website. Next, the book stresses the importance of building an academic accreditation framework for scientific datasets, explores the relationship between bibliometrics and university rankings, and details the birth and development of East Asian Libraries in North America. Overall, the book offers readers insight into the changing nature of LIS, including the electronic dissemination of information, the impact of the Internet on libraries, the changing responsibilities of library professionals, the new paradigm for evaluating information, and characteristics and functions of today's library personnel. Scientometrics have become an essential element in the practice and evaluation of science and research, including both the evaluation of individuals and national assessment exercises. Yet, researchers and practitioners in this field have lacked clear theories to guide their work. As early as 1981, then doctoral student Blaise Cronin published "The need for a theory of citing" —a call to arms for the fledgling scientometric community to produce foundational theories upon which the work of the field could be based. More than three decades later, the time has come to reach out the field again and ask how they have responded to this call. This book compiles the foundational theories that guide informetrics and scholarly communication research. It is a much needed compilation by leading scholars in the field that gathers together the theories that guide our understanding of authorship, citing, and impact.

A conceptual view of citation indexing; A historical view of citation indexing; The design and production of a citation index; The application of citation indexing to the patent literature; The citation index as a search tool; A science management tool; Citation analysis as a method of historical research into science; Mapping the structure of science; Citation analysis of sientific journals; Perspective on citation analysis of scientists.

Within higher education, world-class universities are commonly regarded as elite research universities and play a critical role in developing a nation's competitiveness in the global knowledge economy. An increasing number of countries, regions and higher education institutions in different parts of the world have joined the same battle for academic excellence. While emerging countries and their universities make every effort to enhance their capacity and boost their

research performance, the academic superpowers endeavour to maintain - if not further improve- their global positions. "Building World-Class Universities: Different Approaches to a Shared Goal" intends to provide an in-depth picture of different approaches in pursuit of the shared goal of developing academic excellence, and to reflect the current trends in this field. Divided into three parts, the book covers: • building world-class universities from a national/regional perspective, • managing world-class universities from an institutional perspective, and • measuring world-class universities from a ranking/indicator perspective. This book not only represents a contribution to the ongoing discussion on the topic of building world-class universities, but can be seen as a continuation of the previous three volumes on this topic - "World-Class Universities and Ranking: Aiming beyond Status", "The World-Class University as Part of a New Higher Education Paradigm: From Institutional Qualities to Systemic Excellence", and "Paths to a World-Class University: Lessons from Practices and Experiences". All four books will be useful readings for students and academics in higher education generally, in addition to policy makers and informed practioners.d practitioners
Library and Information Sciences
Field Book for Describing and Sampling Soils
Encyclopedia of Forensic and Legal Medicine
Passion, purpose and possible futures
Measuring Scholarly Impact
Encyclopedia of Library and Information Sciences
The Evaluation of Research by Scientometric Indicators
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.
University rankings have gained popularity around the world, and are now a significant factor shaping reputation. This book is the first comprehensive study of rankings from a global perspective, making an important contribution to our understanding of the rankings phenomenon. This book has also been published in Japanese.
Unlike previous studies that have used techniques such as citation or co-citation analysis to measure scholarly communication, this book identifies scholarly monography as a primary means of communication in the humanities and social sciences. The diffusion and reception of this means of communication may be measured by examining book reviews in the scholarly journal literature, themselves significant indicators of scholarly communication.
Delivering quality education to students while remaining competitive at an international level is only one of the many challenges universities face today. To attain their goals, universities must adopt new strategies to achieve academic excellence. World University Rankings and the Future of Higher Education is a pivotal reference source for the latest scholarly research on the implementation of a ranking system for higher education institutions, providing a thorough overview of the impacts of these rankings on educational quality. Exploring the benefits and challenges of this system in a global context, this book is ideally designed for academicians, researchers, students, administrators, and policy makers interested in the effects of university

rankings in the education sector and beyond.
Computational Linguistics and Intelligent Text Processing
Scientometric Indicators
Different Approaches to a Shared Goal
Surviving Intensive Care
Meaningful Metrics
Scholarly Book Reviewing in the Social Sciences and Humanities
A comprehensive, state-of-the-art examination of the changing ways we measure scholarly performance and research impact.