

Impact Factor Of Angewandte Chemie

Decoding the Impact Factor of Angewandte Chemie: A Comprehensive Guide

Introduction:

Are you a researcher in chemistry or a related field, grappling with the complexities of journal selection and impact? Understanding journal metrics, especially the impact factor, is crucial for career progression and research visibility. This comprehensive guide dives deep into the impact factor of Angewandte Chemie International Edition (Angew. Chem. Int. Ed.), one of the world's most prestigious chemistry journals. We'll dissect its significance, explore factors influencing its high impact factor, discuss its implications for researchers, and address common questions surrounding this vital metric. This post serves as your ultimate resource for navigating the world of Angewandte Chemie and its impact factor.

Understanding the Impact Factor: A Primer

Before diving into Angewandte Chemie's specific impact factor, let's establish a foundational understanding of what this metric represents. The impact factor (IF) is a quantitative measure reflecting the average number of citations received by articles published in a particular journal during a specific period (typically the past two years). A higher impact factor generally indicates a journal's influence and prestige within its field. However, it's crucial to remember that the IF is just one metric among many and shouldn't be the sole determinant of journal quality or research significance. Other factors like the journal's scope, editorial rigor, and the overall quality of published research should also be considered.

The Impact Factor of Angewandte Chemie: A Deep Dive

Angewandte Chemie International Edition consistently boasts a remarkably high impact factor. This isn't merely a matter of chance; it's a reflection of several key contributing factors. The journal's high IF is a result of its rigorous peer-review process, its focus on publishing cutting-edge research across various chemical disciplines, and its global readership of influential scientists and researchers. The journal's rapid publication times also contribute to its high impact, ensuring that groundbreaking discoveries reach the scientific community swiftly. Furthermore, Angewandte Chemie's reputation for attracting high-quality submissions from leading researchers across the globe creates a self-reinforcing cycle, further enhancing its impact.

Factors Influencing Angewandte Chemie's High Impact Factor:

Rigorous Peer Review: The stringent peer-review process ensures only the highest-quality research is published, leading to increased citations. This rigorous selection process filters out less impactful studies, thus raising the average citation count for published articles.

Broad Scope and Interdisciplinarity: Angewandte Chemie covers a wide range of chemical sub-disciplines, attracting submissions from diverse research areas. This interdisciplinary nature increases the potential readership and consequently, the citation potential of published articles.

Global Reach and Visibility: Angewandte Chemie's global readership and prominent position within the scientific community contribute significantly to its high impact factor. The journal's online presence and strong dissemination strategies ensure widespread accessibility to its content.

High-Impact Research Focus: The journal prioritizes publishing original research of significant impact and novelty. This focus on groundbreaking discoveries naturally attracts more citations from researchers building upon the published findings.

Rapid Publication: The efficient publication process ensures that research findings are disseminated quickly to the scientific community, maximizing their potential for impact and subsequent citation.

Implications for Researchers:

Publishing in Angewandte Chemie carries significant implications for researchers. A publication in this high-impact journal can greatly enhance a researcher's reputation, increase their visibility within the scientific community, and boost their chances of securing funding and career advancement. It's a strong indicator of research excellence and can open doors to collaborations and other opportunities. However, researchers should remember that the IF is just one aspect of evaluating research quality. The impact and significance of individual research should be judged on its own merits, irrespective of the journal's IF.

Conclusion:

The high impact factor of Angewandte Chemie International Edition is a testament to its rigorous standards, broad scope, and influential position within the scientific community. While the impact factor is an important metric, it's vital to view it within the broader context of research quality and significance. For researchers aiming for high-impact publications, understanding the factors contributing to Angewandte Chemie's success can guide their research strategies and improve their chances of publication success.

Article Outline: Decoding the Impact Factor of Angewandte Chemie

Introduction: Defines impact factor and its importance. Introduces Angewandte Chemie and its significance.

Chapter 1: Understanding the Impact Factor: Explains the calculation and interpretation of impact factor, its limitations and caveats.

Chapter 2: Angewandte Chemie's Impact Factor: Presents the current impact factor, its historical trajectory, and comparative analysis with other top chemistry journals.

Chapter 3: Factors Contributing to the High Impact Factor: Details the rigorous peer-review process, broad scope, global reach, and rapid publication times.

Chapter 4: Implications for Researchers: Discusses the benefits and implications of publishing in Angewandte Chemie for career advancement and research visibility.

Conclusion: Summarizes key findings and emphasizes the importance of contextualizing the impact factor within the broader evaluation of research quality.

(Detailed expansion of each chapter would follow here, mirroring the content already provided in the main article. Due to length constraints, it is omitted here. Each chapter would elaborate on the bullet points mentioned above with further details, examples, and supporting data.)

FAQs:

1. What is the current impact factor of Angewandte Chemie International Edition? (Answer would require checking the latest Journal Citation Reports)
2. How is Angewandte Chemie's impact factor calculated? (Explain the calculation methodology)
3. Is a high impact factor the only indicator of a good journal? (Discuss other factors like scope, rigor, and reputation)
4. How can I increase my chances of publishing in Angewandte Chemie? (Provide tips on writing strong manuscripts, choosing appropriate topics, and adhering to submission guidelines)
5. What are the limitations of using impact factor as a metric? (Discuss potential biases and limitations of the IF)
6. How does Angewandte Chemie's impact factor compare to other top chemistry journals? (Offer comparative analysis with similar journals)
7. What are the long-term implications of publishing in a high-impact journal like Angewandte Chemie? (Address career progression, funding opportunities, and research collaborations)
8. Does the impact factor of Angewandte Chemie change over time? (Explain the fluctuations and trends in the IF)
9. Are there any alternatives to impact factor for evaluating research quality? (Discuss alternative metrics and approaches to assessing research significance)

Related Articles:

1. The Journal Selection Process for Chemists: A guide to choosing the right journal for your research.
2. Maximizing the Impact of Your Chemistry Research: Strategies for increasing citations and visibility.
3. Understanding Journal Metrics Beyond Impact Factor: An exploration of alternative metrics for evaluating journal quality.
4. A Comparative Analysis of Top Chemistry Journals: A detailed comparison of leading journals in the field.
5. The Peer Review Process: A Chemist's Perspective: Insights into the peer-review process and its importance.
6. Writing a High-Impact Chemistry Manuscript: Tips and strategies for writing compelling and impactful research papers.
7. Securing Funding for Chemistry Research: Guidance on obtaining funding for chemistry research projects.
8. Career Advancement for Chemists: Strategies for career progression in the field of chemistry.
9. The Role of Open Access in Chemistry Research: Discussion on the implications of open access publishing in chemistry.

impact factor of angewandte chemie: *Aggregation-Induced Emission (AIE)* Jianwei Xu, Ming

Hui Chua, Ben Zhong Tang, 2022-04-17 Aggregation-Induced Emission (AIE): A Practical Guide introduces readers to the topic, guiding them through fundamental concepts and the latest advances in applications. The book covers concepts, principles and working mechanisms of AIE in AIE-active luminogens, with different classes of AIE luminogens reviewed, including polymers, three-dimensional frameworks (MOFs and COFs) and supramolecular gels. Special focus is given to the structure-property relationship, structural design strategies, targeted properties and application performance. The book provides readers with a deep understanding, not only on the fundamental principles of AIE, but more importantly, on how AIE luminogens and AIE properties can be incorporated in material development. - Provides the fundamental principles, design and synthesis strategies of aggregation induced emission materials - Reviews the most relevant applications in materials design for stimuli-responsive materials, biomedical applications, chemo-sensing and optoelectronics - Emphasizes structural design and its connection to aggregation induced emission properties, also exploring the structure-property relationship

impact factor of angewandte chemie: Culture of Chemistry Balazs Hargittai, István Hargittai, 2015-04-20 Includes specially selected articles that previously appeared in The Chemical Intelligencer magazine published (1995-2000). Excerpts of these Editor's choice chapters chronicle the culture and history of chemistry, featuring great chemists and discoverers. Contributors from among the best-known authors of the chemistry community, including numerous Nobel laureates. Features behind the scenes stories about pivotal discoveries, intricacies of laboratory life and interactions among scientists, favorite recipes of renowned researchers, life histories and anecdotes. Chapters detail the human side of science but also present scientific information communicated in an easy-to-perceive and entertaining way. This unique book is not only aimed at chemists but individuals who are interested in the cultural aspects of our science.

impact factor of angewandte chemie: NMR in Organometallic Chemistry Paul S. Pregosin, 2013-07-26 The first and ultimate guide for anyone working in transition organometallic chemistry and related fields, providing the background and practical guidance on how to efficiently work with routine research problems in NMR. The book adopts a problem-solving approach with many examples taken from recent literature to show readers how to interpret the data. Perfect for PhD students, postdocs and other newcomers in organometallic and inorganic chemistry, as well as for organic chemists involved in transition metal catalysis.

impact factor of angewandte chemie: Applied Homogeneous Catalysis Arno Behr, Peter Neubert, 2012-04-16 Auf fortgeschrittenem Niveau und mit didaktischem Anspruch bietet Ihnen dieser Band zahlreiche Fragen mit Antworten und eine breite Palette von Fallstudien aus der Industrie, ergänzt durch weiterführende Literaturhinweise und Referenzen der Originalliteratur. Insbesondere geht es um die modernsten katalytischen Prozesse mit ihren Anwendungen in der Pharmazie und der Feinchemikalien-Industrie, wobei auch kommerzielle Aspekte besprochen werden. Der Autor, ein erfahrener Dozent mit Industriepraxis, legt Chemikern und Chemieingenieuren damit ein praxistaugliches Hilfsmittel vor.

impact factor of angewandte chemie: Transforming Glycoscience National Research Council, Division on Earth and Life Studies, Board on Life Sciences, Board on Chemical Sciences and Technology, Committee on Assessing the Importance and Impact of Glycomics and Glycosciences, 2012-10-23 A new focus on glycoscience, a field that explores the structures and functions of sugars, promises great advances in areas as diverse as medicine, energy generation, and materials science, this report finds. Glycans-also known as carbohydrates, saccharides, or simply as sugars-play central roles in many biological processes and have properties useful in an array of applications. However, glycans have received little attention from the research community due to a lack of tools to probe their often complex structures and properties. Transforming Glycoscience: A Roadmap for the Future presents a roadmap for transforming glycoscience from a field dominated by specialists to a widely studied and integrated discipline, which could lead to a more complete understanding of glycans and help solve key challenges in diverse fields.

impact factor of angewandte chemie: Fracture and Fatigue Emanating from Stress

Concentrators G. Pluvinau, 2003-12-31 A vast majority of failures emanate from stress concentrators such as geometrical discontinuities. The role of stress concentration was first highlighted by Inglis (1912) who gives a stress concentration factor for an elliptical defect, and later by Neuber (1936). With the progress in computing, it is now possible to compute the real stress distribution at a notch tip. This distribution is not simple, but looks like pseudo-singularity as in principle the power dependence with distance remains. This distribution is governed by the notch stress intensity factor which is the basis of Notch Fracture Mechanics. Notch Fracture Mechanics is associated with the volumetric method which postulates that fracture requires a physical volume. Since fatigue also needs a physical process volume, Notch Fracture Mechanics can easily be extended to fatigue emanating from a stress concentration.

impact factor of angewandte chemie: *Gene Regulation in Eukaryotes* Edgar Wingender, 1993 A much-needed guide through the overwhelming amount of literature in the field. Comprehensive and detailed, this book combines background information with the most recent insights. It introduces current concepts, emphasizing the transcriptional control of genetic information. Moreover, it links data on the structure of regulatory proteins with basic cellular processes. Both advanced students and experts will find answers to such intriguing questions as: - How are programs of specific gene repertoires activated and controlled? - Which genes drive and control morphogenesis? - Which genes govern tissue-specific tasks? - How do hormones control gene expression in coordinating the activities of different tissues? An abundant number of clearly presented glossary terms facilitates understanding of the biological background. Special feature: over 2200 (!) literature references.

impact factor of angewandte chemie: *The Future of Scholarly Publishing* Weingart, Peter, Taubert, Niels, 2017-10-10 The formal scientific communication system is currently undergoing significant change. This is due to four developments: the digitisation of formal science communication; the economisation of academic publishing as profit drives many academic publishers and other providers of information; an increase in the self-observation of science by means of publication, citation and utility-based indicators; and the medialisation of science as its observation by the mass media intensifies. Previously, these developments have only been dealt with individually in the literature and by science-policy actors. *The Future of Scholarly Publishing* documents the materials and results of an interdisciplinary working group commissioned by the Berlin-Brandenburg Academy of Sciences and Humanities (BBAW) to analyse the future of scholarly publishing and to make recommendations on how to respond to the challenges posed by these developments. As per the working group's intention, the focus was mainly on the sciences and humanities in Germany. However, in the course of the work it became clear that the issues discussed by the group are equally relevant for academic publishing in other countries. As such, this book will contribute to the transfer of ideas and perspectives, and allow for mutual learning about the current and future state of scientific publishing in different settings.

impact factor of angewandte chemie: *The Digital University - Building a Learning Community* Reza Hazemi, Stephen Hailes, 2001-11-28 This is the thoroughly revised second edition of one of the first books to provide an overview of how key aspects of university life - such as teaching, academic research, administration, management and course design - are being affected by digital and web-enabled technologies. More than three-quarters of the material has been revised and updated. Still further, three new chapters now address the following aspects: the virtual classroom, vicarious learning, and educational metadata. The main body of the text focuses on asynchronous collaboration by examining the following four key topics: principles, experiences, evaluation, and benefits. A timely and up-to-date important guide to all aspects of modern university education in the digital age.

impact factor of angewandte chemie: *Bacterial NanoCellulose* Miguel Gama, Paul Gatenholm, Dieter Klemm, 2016-04-19 The first book dedicated to the potential applications and unique properties of bacterial cellulose (BC), this seminal work covers the basic science, technology, and economic impact of this bulk chemical as well as the companies and patents that are driving the field. It reviews the biosynthesis and properties of BC, including genetics and characterization;

discusses the advancing technology as it relates to product development, bioreactors, and production; and analyzes the economic impact of BC on a diverse range of industry applications, including materials and biomaterials, biological and polymer sciences, and electromechanical engineering.

impact factor of angewandte chemie: *Introduction to Digital Audio Coding and Standards* Marina Bosi, Richard E. Goldberg, 2012-12-06 Introduction to Digital Audio Coding and Standards provides a detailed introduction to the methods, implementations, and official standards of state-of-the-art audio coding technology. In the book, the theory and implementation of each of the basic coder building blocks is addressed. The building blocks are then fit together into a full coder and the reader is shown how to judge the performance of such a coder. Finally, the authors discuss the features, choices, and performance of the main state-of-the-art coders defined in the ISO/IEC MPEG and HDTV standards and in commercial use today. The ultimate goal of this book is to present the reader with a solid enough understanding of the major issues in the theory and implementation of perceptual audio coders that they are able to build their own simple audio codec. There is no other source available where a non-professional has access to the true secrets of audio coding.

impact factor of angewandte chemie: *Automatic Fingerprint Recognition Systems* Nalini Ratha, Ruud Bolle, 2003-10-09 An authoritative survey of intelligent fingerprint-recognition concepts, technology, and systems is given. Editors and contributors are the leading researchers and applied R&D developers of this personal identification (biometric security) topic and technology. Biometrics and pattern recognition researchers and professionals will find the book an indispensable resource for current knowledge and technology in the field.

impact factor of angewandte chemie: *Anion-Binding Catalysis* Olga Garcia-Mancheno, 2022-03-21 Explores the potential of new types of anion-binding catalysts to solve challenging synthetic problems Anion-Binding Catalysis introduces readers to the use of anion-binding processes in catalytic chemical activation, exploring how this approach can contribute to the future design of novel synthetic transformations. Featuring contributions by world-renowned scientists in the field, this authoritative volume describes the structure, properties, and catalytic applications of anions as well as synthetic applications and practical analytical methods. In-depth chapters are organized by type of catalyst rather than reaction type, providing readers with an accessible overview of the existing classes of effective catalysts. The authors discuss the use of halogens as counteranions, the combination of (thio)urea and squaramide-based anion-binding with other types of organocatalysis, anion-binding catalysis by pnictogen and tetrel bonding, nucleophilic co-catalysis, anion-binding catalysis by pnictogen and tetrel bonding, and more. Helping readers appreciate and evaluate the potential of anion-binding catalysis, this timely book: Illustrates the historical development, activation mode, and importance of anion-binding in chemical catalysis Explains the analytic methods used to determine the anion-binding affinity of the catalysts Describes catalytic and synthetic applications of common NH- and OH-based hydrogen-donor catalysts as well as C-H triazole/triazolium catalysts Covers amino-catalysis involving enamine, dienamine, or iminium activation approaches Discusses new trends in the field of anion-binding catalysis, such as the combination of anion-binding with other types of catalysis Presenting the current state of the field as well as the synthetic potential of anion-binding catalysis in future, Anion-Binding Catalysis is essential reading for researchers in both academia and industry involved in organic synthesis, homogeneous catalysis, and pharmaceutical chemistry.

impact factor of angewandte chemie: *Modular Programming Languages* Jürg Gutknecht, Wolfgang Weck, 2006-12-31 The circle is closed. The European Modula-2 Conference was originally launched with the goal of increasing the popularity of Modula-2, a programming language created by Niklaus Wirth and his team at ETH Zurich as a successor of Pascal. For more than a decade, the conference has wandered through Europe, passing Bled, Slovenia, in 1987, Loughborough, UK, in 1990, Ulm, Germany, in 1994, and Linz, Austria, in 1997. Now, at the beginning of the new millennium, it is back at its roots in Zurich, Switzerland. While traveling through space and time, the conference has mutated. It has widened its scope and changed

its name to Joint Modular Languages Conference (JMLC). With an invariant focus, though, on modular software construction in teaching, research, and “out there” in industry. This topic has never been more important than today, ironically not because of insufficient language support but, quite on the contrary, due to a truly confounding variety of modular concepts offered by modern languages: modules, packages, classes, and components, the newest and still controversial trend. “The recent notion of component is still very vaguely defined, so vaguely, in fact, that it almost seems advisable to ignore it.” (Wirth in his article “Records, Modules, Objects, Classes, Components” in honor of Hoare’s retirement in 1999). Clarification is needed.

impact factor of angewandte chemie: *Nanozymes: Next Wave of Artificial Enzymes* Xiaoyu Wang, Wenjing Guo, Yihui Hu, Jiangjiexing Wu, Hui Wei, 2016-07-27 This book describes the fundamental concepts, the latest developments and the outlook of the field of nanozymes (i.e., the catalytic nanomaterials with enzymatic characteristics). As one of today’s most exciting fields, nanozyme research lies at the interface of chemistry, biology, materials science and nanotechnology. Each of the book’s six chapters explores advances in nanozymes. Following an introduction to the rise of nanozymes research in the course of research on natural enzymes and artificial enzymes in Chapter 1, Chapters 2 through 5 discuss different nanomaterials used to mimic various natural enzymes, from carbon-based and metal-based nanomaterials to metal oxide-based nanomaterials and other nanomaterials. In each of these chapters, the nanomaterials’ enzyme mimetic activities, catalytic mechanisms and key applications are covered. In closing, Chapter 6 addresses the current challenges and outlines further directions for nanozymes. Presenting extensive information on nanozymes and supplemented with a wealth of color illustrations and tables, the book offers an ideal guide for readers from disparate areas, including analytical chemistry, materials science, nanoscience and nanotechnology, biomedical and clinical engineering, environmental science and engineering, green chemistry, and novel catalysis.

impact factor of angewandte chemie: *Molten Salts Chemistry and Technology* Marcelle Gaune-Escard, Geir Martin Haarberg, 2014-05-12 Written to record and report on recent research progresses in the field of molten salts, *Molten Salts Chemistry and Technology* focuses on molten salts and ionic liquids for sustainable supply and application of materials. Including coverage of molten salt reactors, electrodeposition, aluminium electrolysis, electrochemistry, and electrowinning, the text provides researchers and postgraduate students with applications include energy conversion (solar cells and fuel cells), heat storage, green solvents, metallurgy, nuclear industry, pharmaceuticals and biotechnology.

impact factor of angewandte chemie: *Amphiphilic Polymer Co-networks* Costas S Patrickios, 2020-04-23 Amphiphilic polymer co-networks (APCNs) are a type of polymeric hydrogel, their hydrophobic polymer segments and hydrophilic components produce less aqueous swelling, giving better mechanical properties than conventional hydrogels. This new class of polymers is attracting increasing attention, resulting in further basic research on the system, as well as new applications. This book focuses on new developments in the field of APCNs, and is organised in four sections: synthesis, properties, applications and modelling. Co-network architectures included in the book chapters are mainly those deriving from hydrophobic macro-cross-linkers, representing the classical approach; however, more modern designs are also presented. Properties of interest discussed include aqueous swelling, thermophysical and mechanical properties, self-assembly, electrical actuation, and protein adsorption. Applications described in the book chapters include the use of co-networks as soft contact lenses, scaffolds for drug delivery and tissue engineering, matrices for heterogeneous biocatalysis, and membranes of controllable permeability. Finally, an important theory chapter on the modelling of the self-assembly of APCNs is also included. The book is suitable for graduate students and researchers interested in hydrogels, polymer networks, polymer chemistry, block copolymers, self-assembly and nanomaterials, as well as their applications in contact lenses, drug delivery, tissue engineering, membranes and biocatalysis.

impact factor of angewandte chemie: *Scholarship in the Digital Age* Christine L. Borgman, 2010-08-13 An exploration of the technical, social, legal, and economic aspects of the scholarly

infrastructure needed to support research activities in all fields in the twenty-first century. Scholars in all fields now have access to an unprecedented wealth of online information, tools, and services. The Internet lies at the core of an information infrastructure for distributed, data-intensive, and collaborative research. Although much attention has been paid to the new technologies making this possible, from digitized books to sensor networks, it is the underlying social and policy changes that will have the most lasting effect on the scholarly enterprise. In *Scholarship in the Digital Age*, Christine Borgman explores the technical, social, legal, and economic aspects of the kind of infrastructure that we should be building for scholarly research in the twenty-first century. Borgman describes the roles that information technology plays at every stage in the life cycle of a research project and contrasts these new capabilities with the relatively stable system of scholarly communication, which remains based on publishing in journals, books, and conference proceedings. No framework for the impending "data deluge" exists comparable to that for publishing. Analyzing scholarly practices in the sciences, social sciences, and humanities, Borgman compares each discipline's approach to infrastructure issues. In the process, she challenges the many stakeholders in the scholarly infrastructure—scholars, publishers, libraries, funding agencies, and others—to look beyond their own domains to address the interaction of technical, legal, economic, social, political, and disciplinary concerns. *Scholarship in the Digital Age* will provoke a stimulating conversation among all who depend on a rich and robust scholarly environment.

impact factor of angewandte chemie: Chemical Vapour Deposition Anthony C. Jones, Michael L. Hitchman, 2009 The book is one of the most comprehensive overviews ever written on the key aspects of chemical vapour deposition processes and it is more comprehensive, technically detailed and up-to-date than other books on CVD. The contributing authors are all practising CVD technologists and are leading international experts in the field of CVD. It presents a logical and progressive overview of the various aspects of CVD processes. Basic concepts, such as the various types of CVD processes, the design of CVD reactors, reaction modelling and CVD precursor chemistry are covered in the first few--Jacket

impact factor of angewandte chemie: The Future of the Academic Journal Bill Cope, Angus Phillips, 2014-07-01 The world of the academic journal continues to be one of radical change. A follow-up volume to the first edition of *The Future of the Academic Journal*, this book is a significant contribution to the debates around the future of journals publishing. The book takes an international perspective and looks ahead at how the industry will continue to develop over the next few years. With contributions from leading academics and industry professionals, the book provides a reliable and impartial view of this fast-changing area. The book includes various discussions on the future of journals, including the influence of business models and the growth of journals publishing, open access and academic libraries, as well as journals published in Asia, Africa and South America. - Looks at a fast moving and vital area for academics and publishers - Contains contributions from leading international figures from universities and publishers

impact factor of angewandte chemie: Reviews in Computational Chemistry, Volume 19 Kenny B. Lipkowitz, Raima Larter, Thomas R. Cundari, Donald B. Boyd, 2003-10-21 Auch Band 19 dieser seit Jahren bewährten und erfolgreichen Reihe führt Neueinsteiger in moderne Forschungsgebiete der Computerchemie ein und hilft Fachleuten, auf dem Laufenden zu bleiben. - international renommierte Fachleute diskutieren Themen aus den Bereichen Molecular modeling, Quantenchemie, computergestütztes Moleküldesign (CAMD), Molekülmechanik und -dynamik sowie QSAR (Quantitative Struktur-Reaktivitäts-Beziehungen) - ausführliche Autoren- und Sachregister erleichtern die Orientierung - Beiträge sind allgemein verständlich geschrieben und enthalten nur das notwendige Minimum an mathematischen Formalismen; dadurch ist die Reihe auch geeignet für Leser, die sich nicht hauptsächlich mit den genannten Fachgebieten beschäftigen

impact factor of angewandte chemie: European Science Editing , 1989

impact factor of angewandte chemie: The Future of U.S. Chemistry Research National Research Council, Division on Earth and Life Studies, Board on Chemical Sciences and Technology, Committee on Benchmarking the Research Competitiveness of the United States in Chemistry,

2007-06-08 Chemistry plays a key role in conquering diseases, solving energy problems, addressing environmental problems, providing the discoveries that lead to new industries, and developing new materials and technologies for national defense and homeland security. However, the field is currently facing a crucial time of change and is struggling to position itself to meet the needs of the future as it expands beyond its traditional core toward areas related to biology, materials science, and nanotechnology. At the request of the National Science Foundation and the U.S. Department of Energy, the National Research Council conducted an in-depth benchmarking analysis to gauge the current standing of the U.S. chemistry field in the world. *The Future of U.S. Chemistry Research: Benchmarks and Challenges* highlights the main findings of the benchmarking exercise.

impact factor of angewandte chemie: *The Position of the German Language in the World* Ulrich Ammon, 2019-08-08 *The Position of the German Language in the World* focuses on the global position of German and the factors which work towards sustaining its use and utility for international communication. From the perspective of the global language constellation, the detailed data analysis of this substantial research project depicts German as an example of a second-rank language. The book also provides a model for analysis and description of international languages other than English. It offers a framework for strengthening the position of languages such as Arabic, Chinese, French, Portuguese, Spanish and others and for countering exaggerated claims about the global monopoly position of English. This comprehensive handbook of the state of the German language in the world was originally published in 2015 by Walter de Gruyter in German and has been critically acclaimed. Suitable for scholars and researchers of the German language, the handbook shows in detail how intricately and thoroughly German and other second-rank languages are tied up with a great number of societies and how these statistics support or weaken the languages' functions and maintenance.

impact factor of angewandte chemie: *Bibliometrics and Citation Analysis* Nicola De Bellis, 2009-03-09 Can the methods of science be directed toward science itself? How did it happen that scientists, scientific documents, and their bibliographic links came to be regarded as mathematical variables in abstract models of scientific communication? What is the role of quantitative analyses of scientific and technical documentation in current science policy and management? *Bibliometrics and Citation Analysis: From the Science Citation Index to Cybermetrics* answers these questions through a comprehensive overview of theories, techniques, concepts, and applications in the interdisciplinary and steadily growing field of bibliometrics. Since citation indexes came into the limelight during the mid-1960s, citation networks have become increasingly important for many different research fields. The book begins by investigating the empirical, philosophical, and mathematical foundations of bibliometrics, including its beginnings with the Science Citation Index, the theoretical framework behind it, and its mathematical underpinnings. It then examines the application of bibliometrics and citation analysis in the sciences and science studies, especially the sociology of science and science policy. Finally it provides a view of the future of bibliometrics, exploring in detail the ongoing extension of bibliometric methods to the structure and dynamics of the World Wide Web. This book gives newcomers to the field of bibliometrics an accessible entry point to an entire research tradition otherwise scattered through a vast amount of journal literature. At the same time, it brings to the forefront the cross-disciplinary linkages between the various fields (sociology, philosophy, mathematics, politics) that intersect at the crossroads of citation analysis. Because of its discursive and interdisciplinary approach, the book is useful to those in every area of scholarship involved in the quantitative analysis of information exchanges, but also to science historians and general readers who simply wish to familiarize them

impact factor of angewandte chemie: *ECODESIGN Pilot* Wolfgang Wimmer, Rainer Züst, 2003-01-31 Up to now, environmental policies have relied mainly on rules, regulations, and prohibitions. This kind of environmental policy -- a clearly reactive approach -- has shown a mounting array of limitations. There is a clear need to seek new solutions, in particular those involving the initiative of firms themselves. Since the mid-1980's, a new approach called "environmental management" has been established in research and practical applications; it is designed to

systematically integrate environmental considerations into company activities. If, for instance, environmental objectives are being formulated for an enterprise, it is imperative to identify, highlight, and analyze real and significant environmental impacts of the firm's activities and to take appropriate measures to improve its performance. Controlling and implementing these environmental objectives requires suitable structures, procedures, and tools. Many motivated companies have approached the issue of environmental management through incorporating methods such "continual improvement processes" and "Life Cycle Assessment" into the various operational activities of the enterprise. Some firms initiated such transformation processes at their own production sites because it was easier to identify their own environmental impacts than to analyze, let alone mitigate, the effects of upstream and downstream processes. However, in many cases these processes are decisive factors in the overall environmental performance of a product. It has become clear that product design can influence these processes to a great extent.

impact factor of angewandte chemie: *Na-ion Batteries*, 2021-05-11 This book covers both the fundamental and applied aspects of advanced Na-ion batteries (NIB) which have proven to be a potential challenger to Li-ion batteries. Both the chemistry and design of positive and negative electrode materials are examined. In NIB, the electrolyte is also a crucial part of the batteries and the recent research, showing a possible alternative to classical electrolytes – with the development of ionic liquid-based electrolytes – is also explored. Cycling performance in NIB is also strongly associated with the quality of the electrode-electrolyte interface, where electrolyte degradation takes place; thus, *Na-ion Batteries* details the recent achievements in furthering knowledge of this interface. Finally, as the ultimate goal is commercialization of this new electrical storage technology, the last chapters are dedicated to the industrial point of view, given by two startup companies, who developed two different NIB chemistries for complementary applications and markets.

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