Impact Factor Journal of Materials Chemistry B

Impact Factor Journal of Materials Chemistry B is a critical metric for researchers, academics, and institutions involved in materials science, particularly in the interdisciplinary fields of biology and medicine. This article delves into the significance of the impact factor for the Journal of Materials Chemistry B, exploring its calculation, relevance, and influence on the scientific community. Understanding the impact factor of this journal aids authors in selecting appropriate venues for publishing their research and helps readers assess the quality and prestige of the articles published. Additionally, the article will cover the journal's scope, recent impact factor trends, and comparison with related journals in materials chemistry. Insights into how the impact factor affects research dissemination and funding decisions will also be discussed, providing a comprehensive view of this important bibliometric indicator.

Understanding the Impact Factor

Definition and Calculation

The impact factor is a bibliometric indicator that measures the average number of citations received per paper published in a specific journal during the preceding two years. It is calculated annually by Clarivate Analytics through the Journal Citation Reports (JCR). For the Journal of Materials Chemistry B, the impact factor reflects how frequently articles published in this journal are cited in other scholarly works, serving as a proxy for the journal's influence and scientific importance within the materials science community.

Role in Academic Publishing

The impact factor plays a pivotal role in academic publishing by guiding authors on where to submit their research manuscripts. A higher impact factor often suggests greater visibility and recognition, which can enhance the dissemination and impact of a researcher's work. Moreover, academic institutions and funding agencies sometimes use impact factors as one of the criteria to evaluate research quality and productivity.

Overview of Journal of Materials Chemistry B

Scope and Focus Areas

The Journal of Materials Chemistry B specializes in publishing cutting-edge research at the interface of materials chemistry, biology, and medicine. It covers a broad range of topics including biomaterials, nanomaterials, drug delivery systems, medical imaging, and tissue engineering. The journal aims to foster interdisciplinary collaboration by disseminating significant advances in materials chemistry that impact health and biological sciences.

Publication Frequency and Editorial Standards

Journal of Materials Chemistry B is published weekly, ensuring a steady flow of high-quality research articles, reviews, and communications. The editorial board comprises leading experts who maintain rigorous peer-review standards to ensure the scientific soundness and originality of published content. This commitment to quality contributes to the journal's reputable standing and its impact factor.

Recent Trends in the Impact Factor of Journal of Materials Chemistry B

Historical Impact Factor Data

The impact factor of the Journal of Materials Chemistry B has shown a steady upward trend over recent years, reflecting the journal's growing prominence in the field. Continuous improvements in article quality, combined with the expanding relevance of materials chemistry to biomedical applications, have contributed to this positive trajectory.

Factors Behind Impact Factor Growth

Several factors have driven the increase in the journal's impact factor, including:

- Publishing highly cited review articles and thematic issues
- Encouraging interdisciplinary research that attracts citations from multiple fields
- Expanding international authorship and readership
- Enhancing visibility through indexing in major databases

Significance of Impact Factor for Researchers and Institutions

Guidance for Authors

For researchers, the impact factor journal of materials chemistry b serves as a benchmark to select a suitable publication outlet. Publishing in a journal with a high impact factor may increase the chances of research being noticed and cited by peers, thereby boosting academic reputation and career advancement opportunities.

Institutional and Funding Implications

Academic institutions often consider faculty publication metrics, including the impact factor of journals where their members publish, during performance evaluations and tenure decisions. Funding agencies may also use impact factor as one of the indicators to assess the potential impact of proposed research projects. Therefore, the impact factor journal of materials chemistry b indirectly influences research funding and institutional rankings.

Comparison with Other Materials Chemistry Journals

Positioning Within the Field

The Journal of Materials Chemistry B holds a competitive position among materials science journals, especially those focusing on bio-related materials research. While it is one of three journals under the Journal of Materials Chemistry umbrella (A, B, and C), each targets distinct subfields. Journal of Materials Chemistry B is recognized for its emphasis on biological and medical applications, differentiating it from the others.

Impact Factor Benchmarks

Compared to peer journals in materials chemistry and biomaterials, the impact factor journal of materials chemistry b typically ranks favorably due to its specialized focus and high citation rates. Journals such as Advanced Materials, Biomaterials, and ACS Applied Materials & Interfaces serve as relevant comparators, offering insights into the relative impact and prestige within the field.

Factors Influencing the Impact Factor

Quality and Relevance of Published Research

The scientific rigor and innovation presented in published articles significantly affect the journal's citations and thereby its impact factor. High-quality research that addresses pressing challenges in materials chemistry and biomedical applications tends to attract more citations.

Citation Practices and Research Trends

Emerging research areas and evolving citation behaviors in the scientific community influence the journal's impact factor. For instance, fast-growing fields such as nanomedicine and biomaterials can drive increased citation activity, benefitting journals like the Journal of Materials Chemistry B.

Editorial Policies and Publication Strategies

Strategies such as inviting influential researchers to contribute reviews, promoting open access options, and timely publication processes help enhance the journal's visibility and citation metrics. These editorial initiatives play a crucial role in maintaining and improving the impact factor over time.

Frequently Asked Questions

What is the current impact factor of the Journal of Materials Chemistry B?

As of the latest release, the Journal of Materials Chemistry B has an impact factor of approximately 7.5, reflecting its influence in the materials science and biomedical research communities.

How is the impact factor of the Journal of Materials Chemistry B calculated?

The impact factor is calculated based on the average number of citations received in a particular year by papers published in the journal during the two preceding years.

Why is the impact factor important for the Journal of Materials Chemistry B?

The impact factor indicates the journal's reputation and the average citation rate of its articles, helping researchers decide where to publish and readers to identify influential research.

Has the impact factor of the Journal of Materials Chemistry B increased recently?

Yes, the impact factor has shown a steady increase over recent years, highlighting the growing recognition and citation of research published in the journal.

Where can I find the official impact factor for the Journal of Materials Chemistry B?

The official impact factor is published annually in the Journal Citation Reports (JCR) by Clarivate Analytics and can also be found on the journal's official website.

How does the impact factor of Journal of Materials Chemistry B compare to other materials science journals?

It ranks competitively among specialized materials science and chemistry journals, particularly those focusing on biomaterials and related fields.

Can the impact factor of the Journal of Materials Chemistry B influence funding and academic promotions?

Yes, publications in high-impact factor journals like the Journal of Materials Chemistry B are often valued in grant evaluations and academic career advancements.

Does the Journal of Materials Chemistry B focus on specific research areas that affect its impact factor?

Yes, it focuses on materials for biology and medicine, which are rapidly growing and highly cited research areas, positively influencing its impact factor.

Are there other metrics besides impact factor to evaluate the Journal of Materials Chemistry B?

Yes, other metrics include the h-index, CiteScore, Eigenfactor, and article-level metrics, which provide additional perspectives on the journal's influence and quality.

Additional Resources

1. *Advances in Materials Chemistry: Principles and Applications*
This book offers a comprehensive overview of the latest developments in materials chemistry, focusing on the design, synthesis, and application of advanced materials. It bridges fundamental concepts with practical applications, making it ideal for researchers interested in cutting-edge materials science. Topics include nanomaterials, polymers, and biomaterials, highlighting their roles in energy and environmental solutions.

2. *Nanostructured Materials for Energy Conversion and Storage*
Focusing on the intersection of nanotechnology and materials chemistry, this book explores nanostructured materials used in batteries, supercapacitors, and solar cells. It discusses synthesis techniques, characterization methods, and performance optimization. The text is valuable for scientists developing new materials to address energy challenges.

3. *Polymer Chemistry and Materials Science: Innovations and Perspectives*
This volume covers recent advances in polymer chemistry with an emphasis on functional materials. It examines the synthesis, properties, and applications of polymers in electronics, biomedicine, and sustainable technologies. The book is useful for both academic researchers and industrial professionals.

4. *Functional Materials for Sustainable Development*
Highlighting materials that contribute to sustainability, this book details innovations in environmentally friendly materials chemistry. It covers topics such as biodegradable polymers, green catalysts, and materials for water purification. The content is designed to inspire researchers working on sustainable technology solutions.

5. *Nanomaterials in Catalysis: Design and Applications*
This book delves into the role of nanomaterials in catalysis, emphasizing their unique properties that enhance catalytic performance. It presents synthesis strategies, structural characterization, and applications in chemical transformations and environmental remediation. The text is an essential resource for chemists and materials scientists.

6. *2D Materials: Chemistry and Physics at the Atomic Scale*
Exploring two-dimensional materials like graphene and transition metal dichalcogenides, this book covers their chemical synthesis, properties, and potential applications in electronics and sensors. It integrates theoretical and experimental perspectives, offering insights into the atomic-scale manipulation of materials.

7. *Biomaterials Chemistry: From Design to Clinical Applications*
This book focuses on the chemistry of biomaterials and their use in medical applications such as drug delivery, tissue engineering, and diagnostics. It discusses material design principles, biocompatibility, and functionalization techniques. The book is essential for researchers at the interface of chemistry, biology, and materials science.

8. *Surface Chemistry and Engineering of Advanced Materials*
Dedicated to surface phenomena in materials chemistry, this book examines surface modification, characterization, and engineering to enhance material performance. Topics include coatings, thin films, and interfacial processes relevant to electronics, catalysis, and corrosion resistance.

9. *Energy Materials: Chemistry, Properties, and Applications*
This comprehensive text addresses materials that play a critical role in energy technologies, including photovoltaics, fuel cells, and thermoelectrics. It covers synthesis methods, structural properties, and device integration, providing a thorough understanding of energy-related materials chemistry.

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impact factor journal of materials chemistry b: Encyclopedia of Tissue Engineering and Regenerative Medicine , 2019-06-03 Encyclopedia of Tissue Engineering and Regenerative Medicine, Three Volume Set provides a comprehensive collection of personal overviews on the latest developments and likely future directions in the field. By providing concise expositions on a broad range of topics, this encyclopedia is an excellent resource. Tissue engineering and regenerative medicine are relatively new fields still in their early stages of development, yet they already show great promise. This encyclopedia brings together foundational content and hot topics in both disciplines into a comprehensive resource, allowing deeper interdisciplinary research and conclusions to be drawn from two increasingly connected areas of biomedicine. Provides a 'one-stop' resource for access to information written by world-leading scholars in the fields of tissue engineering and regenerative medicine Contains multimedia features, including hyperlinked references and further readings, cross-references and diagrams/images Represents the most comprehensive and exhaustive product on the market on the topic

impact factor journal of materials chemistry b: Cell and Material Interface Nihal Engin Vrana, 2018-09-03 A significant portion of biomedical applications necessitates the establishment of an interface between the cells of the patient and the components of the device. In many cases, such as in implants and engineered tissues, the interaction of the cells with the biomaterial is one of the main determinants of the success of the system. Cell and Material Interface: Advances in Tissue Engineering, Biosensor, Implant, and Imaging Technologies explores this interaction and its control at length scales ranging from the nano to the macro. Featuring contributions from leading molecular biologists, chemists, and material scientists, this authoritative reference: Presents practical examples of cell and material interface-based applications Reflects the interdisciplinary nature of bioengineering, covering topics such as biosensing, immunology, and controlled delivery Explains the role of the cell and material interface in the context of cardiac and skin tissue engineering, nanoparticles, natural polymers, and more Cell and Material Interface: Advances in Tissue Engineering, Biosensor, Implant, and Imaging Technologies addresses concepts essential to biomaterial production methods and cell and material interactions. The book provides a solid starting point for elucidating and exploiting the different aspects of cellular interactions with materials for biomedical engineering.

impact factor journal of materials chemistry b: Biomimetic Nanoengineered Materials for Advanced Drug Delivery Afeesh Rajan Unnithan, Arathyram Ramachandra Kurup Sasikala, Chan Hee Park, Cheol Sang Kim, 2019-11-05 Biomimetic Nanoengineered Materials for Advanced Drug Delivery is an indispensable guide for new developments in biomimetic nanoengineering for advanced drug delivery applications. Focusing on the fundamentals of a new type of nanocarriers for drug delivery in the most recent miRNA therapeutics, the book provides readers with detailed knowledge from the basics, to the most recent innovations. Early chapters of the book discuss a range of drug delivery techniques, including nanofibers, biomimetic polymers, 3D bioprinting, nanotechnology and radiofrequency sensitive nanocarriers. Later chapters explore miRNA therapeutics, magnetic nanoparticles, nanogel-based and ROS-mediated drug delivery systems. The book is a vital reference for biomaterials and nanomedicine researchers and clinicians with an interest in advanced drug delivery. - Analyzes nanoparticle-plasma protein interactions, making it one of the first books on this topic - Includes the latest trends in nanotherapeutic drug delivery -

Presents comprehensive chapters that cover a specific drug delivery carrier and its mode of operation, stimuli and the target site of action - Provides an essential tool for researchers in nanomedicine and nanobiomaterials

impact factor journal of materials chemistry b: *Innovative Approaches to Overcome Resistance and Toxicities of Anti-Cancer Drugs* Awanish Mishra, Dayanidhi Raman, Valeria Consoli, 2025-08-18 Although diagnosis and treatment of various cancer types have made significant strides recently, drug resistance is a major challenge faced in the cancer clinic. Cancer cells evolve continuously through a combination of genetic mutations, epigenetic changes, support from cellular and acellular tumour microenvironment. The chemoresistant tumour cells expand and become the dominant population and, at this point, it becomes difficult to treat. The cancer cell heterogeneity is also a major contributing factor to chemoresistance. The other challenge faced is the development of adverse events due to drug toxicity which is overwhelming especially for immunocompromised patients. Collectively, these factors reduce the treatment response and overall survival. Current neoadjuvant chemotherapy (NACT) and targeted therapies aim at drug efficacy with minimal toxicity along with employment of adjuvant immunotherapy. Potential exploits include novel drug delivery platforms such as antibody-drug conjugates, combination therapies that target addicted signalling pathways, transcription factors, utilization of long noncoding RNAs including siRNA and miRNA using nanocarriers, reprogramming the tumour immune microenvironment (TIME), employment of in silico approaches from docking drug-like molecules to crystal structures of novel targets, bioinformatics, and machine learning approaches. These approaches hold immense potential to enhance cancer therapeutics while minimizing toxicities. These strategies aim to amplify therapy impact while minimizing toxicity leading to better patient outcome. This research topic welcomes data and review articles on the following sub-topics but are not limited to: 1. Novel molecular targets, targeting of signalling pathways, transcription, and epigenetic factors, proteomic, metabolomic and single-cell analyses of therapy-naïve and chemoresistant tumour cell populations. 2. Role of non-coding RNAs and microRNAs in chemoresistance. 3. Advancements in tumour immune microenvironment (TIME) and therapies taking advantage of reprogramming the TIME. 3. Novel synthetic and natural-derived compounds for targeted therapy to improve anti-cancer efficacy, overcoming resistance and minimizing toxicities. 4. Cancer stem or stem-like cells in creation of minimal residual disease and induction of drug resistance, cancer stemness factors that induce and orchestrate chemoresistance. 5. Bioinformatics, in silico studies and machine learning in design for the study of novel molecules to enhance efficacy and overcome resistance to anticancer drugs and toxicities. In silico results should be validated through the exploitation of experimental methodologies.

impact factor journal of materials chemistry b: *Introduction to Materials Chemistry* Harry R. Allcock, 2011-09-20 Introduction to Materials Chemistry will appeal to advanced undergraduates and graduate students in chemistry, materials science,and chemical engineering by leading them stepwise from the elementary chemistry on which materials science depends, through a discussion of the different classes of materials, and ending with a description of how materials are used in devices and general technology.

impact factor journal of materials chemistry b: *Plasmonic Nanosensors for Detection of Aqueous Toxic Metals* Dinesh Kumar, Rekha Sharma, 2022-03-03 Delving into the development of plasmonic nanosensors to detect toxic heavy metal ions in aqueous media, this book explores a significant and burgeoning branch of nanosensor technology based on plasmon resonance and serves as a guide for conducting research in this area. All types of nanosensors for water treatment and detection of heavy metals are also introduced. Plasmonic Nanosensors for Detection of Aqueous Toxic Metals provides up-to-date data upon which researchers and ecologists, industrialists, and academicians can build to create a variety of plasmonic nanosensors. This book also covers paper-based devices based on plasmon for quantifying toxic metals in water and considers important applications of different plasmon-based nanomaterials—graphene, core-shell, quantum dots, nanoporous membrane, carbon nanotubes, and nanofibers. It is an accessible resource for all those

involved in the field of nanosensors and their applications and can pave the way for a better understanding of nanosensor technology with regard to toxic metals. Key features: Gives an in-depth account of the extraordinary optical property at the nanoscale and its use in sensing Offers up-to-date study and practical results for academia, researchers, and engineers working in water treatment and purification Provides sensing application of thematic nanomaterials such as quantum dots and core-shell

impact factor journal of materials chemistry b: Conjugated Polymers John R. Reynolds, Barry C. Thompson, Terje A. Skotheim, 2019-03-25 This book covers properties, processing, and applications of conducting polymers. It discusses properties and characterization, including photophysics and transport. It then moves to processing and morphology of conducting polymers, covering such topics as printing, thermal processing, morphology evolution, conducting polymer composites, thin films

impact factor journal of materials chemistry b: *Pure and Applied Chemistry* , 2009 Vol. 1, no. 1 contains the Proceedings of the Radioactivation Analysis Symposium (1959 : Vienna, Austria).

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conditions, delves into the role of synthetic polymers, and examines diverse delivery approaches. Synthetic Polymeric Materials-Based Drug Delivery Systems for Inflammatory Diseases explores the potential of synthetic polymers in designing drug delivery systems for managing inflammatory diseases, including inflammatory lung diseases, inflammatory bowel diseases, and inflammatory skin diseases, as well as other conditions like cancer, neurodegenerative disorders, rheumatoid arthritis, and eye-related inflammatory conditions. It also discusses the role of synthetic polymers in modulating immune system responses in different disease conditions. Furthermore, it analyzes the 3D printing technologies employed for the preparation of drug delivery systems based on synthetic polymers. Toward the end, the book highlights the challenges and prospects of synthetic polymers in designing delivery systems for the effective management of inflammatory diseases and their clinical usage. This book is intended for researchers and professionals in the fields of pharmaceutical sciences, nanotechnology, and drug delivery systems. Key Features Highlights the role of a synthetic polymer-based drug delivery system against inflammatory responses Explores the cutting-edge technology of 3D printing and its application in preparing drug delivery systems based on synthetic polymers Provides valuable insights into how synthetic polymers can be used to modulate immune system responses Presents regulatory compliance using synthetic polymers in drug delivery systems for inflammatory diseases Examines challenges associated with synthetic polymers in drug delivery systems for inflammatory diseases

impact factor journal of materials chemistry b: Tissue Engineering Strategies for Organ Regeneration Naznin Sultana, Sanchita Bandyopadhyay-Ghosh, Chin Fhong Soon, 2020-02-04 Tissue Engineering Strategies for Organ Regeneration addresses the existing and future trends of tissue engineering approaches for organ/tissue regeneration or repair. This book provides a comprehensive summary of the recent improvement of biomaterials used in scaffold-based tissue engineering, and the tools and different protocols needed to design tissues and organs. The chapters in this book provide the in-depth principles for many of the supporting and enabling technologies including the applications of BioMEMS devices in tissue engineering, and the combination of organoid formation and three dimensional (3D) bioprinting. The book also highlights the advances and strategies for regeneration of three-dimensional microtissues in microcapsules, tissue reconstruction techniques, and injectable composite scaffolds for bone tissue repair and augmentation. Key Features: Addresses the current obstacles to tissue engineering applications Provides the latest improvements in the field of integrated biomaterials and fabrication techniques for scaffold-based tissue engineering Shows the influence of microenvironment towards cell-biomaterials interactions Highlights significant and recent improvements of tissue engineering applications for the artificial organ and tissue generation Describes the applications of microelectronic devices in tissue engineering Describes different current bioprinting technologies

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pc端上怎么卸载原神啊，我在控制面板上卸载的才**200**多**M**好像只 记录下我卸载 原神 的过程：未卸载前C盘30.1G可用，D盘192G可用，控制面板里的原神才290多m，应该是启动器。利用原神自带卸载程序只卸载掉了启动器，此时C盘30.4G可用。找到游

请问影响因子**10**以上是什么概念？ - 知乎 只谈医学领域，其他行业不清楚。一作10分以上的research artical，那是相当硬气的。 10分的文章绝对能成为您的一篇代表作。肿瘤研究领域可谓神仙打架，最高IF为292。即便如此，IF

从目前**Nature synthesis**发表的文章来看，这个期刊怎么样？ - 知乎 从此次投稿难易情况来看，Nature Synthesis 似乎要略低于JACS。我精读过几篇Nature Synthesis 上的文章，平常也会大致浏览一些，主要是有机方法学领域。根据我个人的观察，我想可以从

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