

impact factor journal of materials chemistry C

impact factor journal of materials chemistry c is a critical metric that reflects the significance and influence of the journal within the scientific community, particularly in the field of materials chemistry. This article explores the impact factor of Journal of Materials Chemistry C, a leading publication that focuses on materials for optical, magnetic, and electronic applications. Understanding the journal's impact factor aids researchers, authors, and institutions in evaluating the journal's prestige and relevance. Additionally, this article delves into the methods of calculating impact factors, the journal's ranking among other materials science publications, and factors influencing its citation metrics. Readers will also find insights on the journal's scope, submission process, and how impact factor affects academic publishing decisions. The comprehensive overview serves as a valuable resource for academics aiming to publish or reference materials chemistry research in high-impact journals.

- Understanding the Impact Factor of Journal of Materials Chemistry C
- Calculation Methodology of Impact Factor
- Journal Ranking and Comparison within Materials Science
- Factors Influencing the Impact Factor of the Journal
- Scope and Focus Areas of Journal of Materials Chemistry C
- Impact Factor's Role in Academic Publishing
- Submission and Publication Process Overview

Understanding the Impact Factor of Journal of Materials Chemistry C

The impact factor of the Journal of Materials Chemistry C serves as a quantitative indicator of the average number of citations received per paper published in the journal during a specified period. This metric is widely used to assess the journal's relative importance within the multidisciplinary field of materials chemistry. The journal itself specializes in cutting-edge research related to materials designed for electronic, optical, and magnetic applications, making it a focal point for scientists and engineers working on advanced functional materials. Due to its specialized scope, the impact factor journal of materials chemistry c is particularly relevant in evaluating research quality and influence in these fields. Tracking its impact factor trend over recent years provides insights into the journal's growth and stature among peer publications.

Significance of the Impact Factor

The impact factor is often considered a proxy for the journal's reputation and the reach of its published research. A higher impact factor generally correlates with higher visibility and influence within the scientific community. For the Journal of Materials Chemistry C, the impact factor reflects its role in disseminating high-quality, peer-reviewed research that contributes significantly to advancements in materials science. Institutions and researchers frequently use this metric to guide decisions about where to publish or which journals to consult for authoritative information.

Current Impact Factor Metrics

The impact factor journal of materials chemistry c has exhibited consistent performance in recent years, maintaining a competitive position within the materials science journal rankings. The exact numerical value can vary annually depending on citation data collected by indexing services such as Clarivate Analytics' Journal Citation Reports. Monitoring these values enables researchers to gauge the journal's evolving impact and relevance in emerging research domains.

Calculation Methodology of Impact Factor

The impact factor is calculated based on a specific formula that considers citations and publication counts over a two-year period. Understanding this methodology provides clarity on how the impact factor journal of materials chemistry c represents citation impact and assists in interpreting its meaning accurately.

Formula for Impact Factor Calculation

The standard formula for calculating a journal's impact factor in a given year is:

1. Count the number of citations in that year to articles published in the previous two years.
2. Divide this number by the total number of "citable items" published in the journal during those two years.

This approach emphasizes recent research influence and ensures that the impact factor reflects current trends in scientific citations.

Types of Articles Considered

Only certain types of published content, such as original research articles and reviews, are counted as "citable items" in the denominator of the formula. Editorials, letters, and news items are typically excluded. This distinction is essential when interpreting the impact factor journal of materials chemistry c because the journal publishes various article types with varying citation potentials.

Journal Ranking and Comparison within Materials Science

The Journal of Materials Chemistry C is part of a family of journals under the Royal Society of Chemistry that covers different facets of materials science. Comparing its impact factor to related journals helps position it within the scholarly landscape.

Comparison with Other Journals

Among journals specializing in materials chemistry, Journal of Materials Chemistry C is often ranked alongside Journal of Materials Chemistry A and B, each focusing on different thematic areas. The impact factor journal of materials chemistry c generally reflects its niche in materials for optical, magnetic, and electronic applications, distinguishing it from journals focusing on energy/materials or biological materials. Such comparisons highlight relative strengths and areas of specialization.

Impact Factor Trends Over Time

Analyzing historical data shows trends in the journal's impact factor, which may fluctuate due to shifts in research focus, citation behaviors, or publication volume. Sustained or rising impact factors indicate increasing recognition and influence in the materials chemistry community.

Factors Influencing the Impact Factor of the Journal

Several variables affect the impact factor of the Journal of Materials Chemistry C, including editorial policies, publication frequency, and the nature of the research published.

Editorial Quality and Peer Review

High editorial standards and rigorous peer review contribute to publishing impactful articles that are more likely to be cited. The journal's commitment to quality directly influences its citation metrics and thus its impact factor journal of materials chemistry c.

Research Topics and Citation Practices

Emerging and rapidly developing research fields tend to generate higher citation rates. Journals that publish trending topics in materials chemistry, such as nanomaterials for electronics or novel magnetic materials, often see elevated impact factors. Additionally, citation practices vary among subfields, affecting overall citation counts.

Publication Volume and Article Types

The number of articles published affects the denominator in the impact factor calculation. A balance

between quantity and quality is crucial. Journals that publish more review articles sometimes achieve higher impact factors, as reviews are generally cited more frequently.

Scope and Focus Areas of Journal of Materials Chemistry C

The journal's scope encompasses a wide range of topics related to materials chemistry, with a distinct emphasis on materials designed for advanced technological applications. This focus shapes the journal's content and its appeal to targeted research communities.

Key Research Areas

- Optical materials and photonics
- Magnetic materials and spintronics
- Electronic materials and devices
- Nanomaterials with functional properties
- Energy-related advanced materials

The journal publishes cutting-edge research articles, comprehensive reviews, and perspectives that cover these interdisciplinary subjects.

Audience and Contributors

Researchers, engineers, and academicians working in materials science, physics, chemistry, and engineering fields constitute the primary audience. Contributions come from leading institutions worldwide, reflecting diverse scientific advancements relevant to materials chemistry.

Impact Factor's Role in Academic Publishing

The impact factor journal of materials chemistry c plays a significant role in shaping academic publishing decisions, influencing authors, institutions, and funding agencies.

Author Considerations

Many authors consider the journal's impact factor when selecting a publication venue, aiming to maximize the visibility and academic recognition of their work. Publishing in a journal with a strong impact factor can enhance career prospects and research funding opportunities.

Institutional and Funding Influence

Universities and research organizations may use journal impact factors as a criterion for evaluating research output quality. Funding bodies also consider impact factors when assessing grant applications and research impact, making this metric integral to the academic ecosystem.

Submission and Publication Process Overview

Understanding the submission and publication process of the Journal of Materials Chemistry C provides insight into how the journal maintains its quality and impact factor.

Manuscript Submission and Review

Authors submit manuscripts through the journal's online system, where an initial editorial assessment is conducted to ensure alignment with the journal's scope. Selected manuscripts undergo rigorous peer review by experts, ensuring scientific validity and originality.

Publication Timeline and Accessibility

Following acceptance, articles are processed for publication with attention to timely dissemination. The journal offers options for open access publishing, enhancing the accessibility and citation potential of published research, which can positively influence the impact factor journal of materials chemistry c.

Frequently Asked Questions

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

As of the latest 2023 Journal Citation Reports, the impact factor of the Journal of Materials Chemistry C is approximately 8.067.

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

The impact factor is calculated by dividing the number of citations in a given year to articles published in the previous two years by the total number of articles published in those two years.

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

The impact factor indicates the average citation rate of articles in the journal, reflecting its influence

and reputation within the materials chemistry research community.

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

Journal of Materials Chemistry C typically ranks highly among materials science journals focusing on optical, magnetic, and electronic materials, with an impact factor that is competitive within this specialized field.

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

The official impact factor can be found in the Clarivate Analytics' Journal Citation Reports or on the Royal Society of Chemistry's official website for the journal.

Does the impact factor of the Journal of Materials Chemistry C influence where researchers choose to publish?

Yes, many researchers consider the impact factor as a measure of journal prestige and visibility, which can influence their decision to submit manuscripts to the Journal of Materials Chemistry C.

Additional Resources

1. Advanced Materials Chemistry: Concepts and Applications

This book provides an in-depth exploration of materials chemistry, focusing on the synthesis, characterization, and applications of advanced materials. It covers topics such as nanomaterials, polymers, and hybrid materials, offering insights into their chemical properties and potential uses. Ideal for researchers aiming to publish in high-impact journals like Materials Chemistry C.

2. Nanostructured Materials for Optoelectronics and Photonics

Focusing on the intersection of nanotechnology and materials chemistry, this book discusses the design and fabrication of nanostructured materials with applications in optoelectronics and photonics. It details the chemical principles behind these materials and highlights recent advances relevant to Materials Chemistry C.

3. Functional Materials for Energy and Environmental Applications

This volume examines functional materials designed for energy conversion, storage, and environmental remediation. It covers chemical synthesis routes, structural characterization, and performance evaluation, providing a comprehensive overview suitable for researchers interested in sustainable materials science.

4. Supramolecular Chemistry and Materials Design

Exploring the field of supramolecular chemistry, this book discusses how non-covalent interactions can be harnessed to create novel materials with tailored properties. It emphasizes chemical strategies and applications that align with the scope of Materials Chemistry C.

5. Photonic and Electronic Properties of Nanomaterials

This text delves into the chemical and physical principles governing the photonic and electronic behavior of nanomaterials. It includes chapters on synthesis methods, characterization techniques, and device integration, making it a valuable resource for materials chemists.

6. Polymer Chemistry for Advanced Functional Materials

Covering the chemistry of polymers used in advanced materials, this book highlights synthesis methods, functionalization techniques, and applications in electronics, sensors, and biomedical fields. Its content is aligned with research themes common in Materials Chemistry C.

7. Crystal Engineering: Principles and Applications in Materials Chemistry

This book introduces the principles of crystal engineering and their application in designing materials with desirable chemical and physical properties. It provides case studies and methodologies useful for researchers working on crystalline materials and related journal submissions.

8. 2D Materials: Chemistry and Applications

Focusing on two-dimensional materials such as graphene and transition metal dichalcogenides, this book covers their chemical synthesis, properties, and emerging applications. It is particularly relevant for scientists contributing to cutting-edge materials chemistry research.

9. Hybrid Organic-Inorganic Materials: Chemistry and Functionalities

This book explores the synthesis and characterization of hybrid materials that combine organic and inorganic components. Emphasizing chemical approaches and multifunctional applications, it serves as an essential guide for researchers interested in materials with tailored electronic and optical properties.

Impact Factor Journal Of Materials Chemistry C

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impact factor journal of materials chemistry c: Encyclopedia of Renewable Energy, Sustainability and the Environment, 2024-08-09 Encyclopedia of Renewable Energy, Sustainability and the Environment, Four Volume Set comprehensively covers all renewable energy resources, including wind, solar, hydro, biomass, geothermal energy, and nuclear power, to name a few. In addition to covering the breadth of renewable energy resources at a fundamental level, this encyclopedia delves into the utilization and ideal applications of each resource and assesses them from environmental, economic, and policy standpoints. This book will serve as an ideal introduction to any renewable energy source for students, while also allowing them to learn about a topic in more depth and explore related topics, all in a single resource. Instructors, researchers, and industry professionals will also benefit from this comprehensive reference. - Covers all renewable energy technologies in one comprehensive resource - Details renewable energies' processes, from production to utilization in a single encyclopedia - Organizes topics into concise, consistently formatted chapters, perfect for readers who are new to the field - Assesses economic challenges faced to implement each type of renewable energy - Addresses the challenges of replacing fossil fuels with renewables and covers the environmental impacts of each renewable energy

impact factor journal of materials chemistry c: Multiphysics and Multiscale Building Physics Umberto Berardi, 2024-12-13 This book contains selected papers presented at the 9th edition of the official triennial conference of the International Association of Building Physics (IABP), held in Toronto, Ontario, Canada on 25-27 July, 2024. The contents make valuable contributions to academic researchers and practitioners of the building sector. Readers will encounter new ideas for realizing more efficient and resilient buildings and cities. The approach followed in the book aims to explore how building physics can be explored using multi domains and scales.

impact factor journal of materials chemistry c: Nanostructures Osvaldo de Oliveira Jr, Marystela Ferreira, Alessandra Luzia Da Róz, Fabio de Lima Leite, 2016-10-21 Nanostructures covers the main concepts and fundamentals of nanoscience emphasizing characteristics and properties of numerous nanostructures. This book offers a clear explanation of nanostructured materials via several examples of synthesis/processing methodologies and materials characterization. In particular, this book is targeted to a range of scientific backgrounds, with some chapters written at an introductory level and others with the in-depth coverage required for a seasoned professional. Nanostructures is an important reference source for early-career researchers and practicing materials scientists and engineers seeking a focused overview of the science of nanostructures and nanostructured systems, and their industrial applications. - Presents an accessible overview of the science behind, and industrial uses of, nanostructures. Gives materials scientists and engineers an understanding of how using nanostructures may increase material performance - Targeted to a wide audience, including graduate and postgraduate study with a didactic approach to aid fluid learning - Features an analysis of different nanostructured systems, explaining their properties and industrial applications

impact factor journal of materials chemistry c: Shape Memory Polymer-Derived Nanocomposites Ayesha Kausar, 2024-01-11 Shape Memory Polymer derived Nanocomposites: Features to Cutting-Edge Advancements summarizes the up-to-date of fundamentals and applications of the shape memory polymer derived nanocomposites. Design and fabrication of shape memory polymeric nanocomposites have gained significant importance in the field of up-to-date nano/materials science and technology. In recent times, the shape memory polymers and nanocomposites have attracted considerable academic and industrial research interest. This feature book will present a state-of-the-art assessment on the versatile shape memory materials. The flexibility, durability, heat stability, shape deformability, and shape memory features of these polymers have shown dramatic improvements with the nanofiller addition. Appropriate choice of the stimuli-responsive polymer, nanofiller type and content, and fabrication strategies may lead to enhanced physicochemical features and stimuli-responsive performance. Several successful stimuli-responsive effects have been achieved in the shape memory nanocomposites such as thermo-responsive, electro-active, photo-active, water/moisture-responsive, pH-sensitive, etc. Consequently, the shape memory polymer based nanocomposites have found applications in high-tech devices and applications. This book initially offers a futuristic knowledge regarding indispensable features of the shape memory polymeric nanocomposites. Afterwards, the essential categories of the stimuli-responsive polymer-based nanocomposites have been discussed in terms of recent scientific literature. Subsequent sections of this book are dedicated to the potential of shape memory polymer-based nanocomposite in various technical fields. Significant application areas have been identified as foam materials, aerospace, radiation shielding, sensor, actuator, supercapacitor, electronics and biomedical relevance. The book chapters also point towards the predictable challenges and future opportunities in the field of shape memory nanocomposites. - Provides the essentials of shape memory polymeric nanocomposites - Includes important categories of shape memory nanocomposites - Presents current technological applications of shape memory polymers and derived nanocomposite in sponges, aerospace, EMI shielding, ionizing radiation shielding, sensors, actuator, supercapacitor, electronics, and biomedical fields

impact factor journal of materials chemistry c: Interdisciplinary Approaches to AI, Internet of Everything, and Machine Learning Pandey, Digvijay, Muniandi, Balakumar, Pandey, Binay Kumar,

George, A. Shaji, 2024-12-13 Artificial intelligence (AI), the Internet of Everything (IoE), and Machine Learning (ML) are transforming modern society by driving innovation and improving efficiency across diverse fields. These technologies enable seamless connectivity, intelligent decision-making, and data-driven solutions that address complex global challenges. From revolutionizing industries like healthcare, education, and transportation to enhancing communication and resource management, their applications are vast and impactful. Interdisciplinary approaches are critical for unlocking their full potential, fostering collaboration across sectors to develop sustainable, ethical, and inclusive solutions. As these technologies continue to shape the future, they hold the promise of advancing societal progress while addressing pressing issues. *Interdisciplinary Approaches to AI, Internet of Everything, and Machine Learning* explores interdisciplinary approaches to harnessing AI, IoT, and ML to address complex challenges and drive innovation across various fields. It emphasizes collaborative strategies to develop sustainable, ethical, and impactful technological solutions for a rapidly evolving world. Covering topics such as artificial neural networks, management information systems, and supply chain management, this book is an excellent resource for researchers, technologists, industry professionals, educators, policymakers, and more.

impact factor journal of materials chemistry c: Distinctive Aspects of Molybdenum Disulfide Dhanasekaran Vikraman, Hyun-Seok Kim, 2025-07-23 The emergence of low-dimensional materials, characterized by their unique physical properties, has paved the way for innovative systems across a wide array of applications. Among these materials, molybdenum disulfide (MoS₂) emerged as a particularly noteworthy candidate, attracting considerable interest due to its exceptional versatility and broad spectrum of potential applications in industries such as biomedical technology, electronics, manufacturing, automotive engineering, and aerospace. MoS₂ stands out as a highly intriguing semiconducting material composed of layers of S-Mo-S, which are stacked together by relatively weak van der Waals forces. At the same time, the covalent bonds between sulfur (S) and molybdenum (Mo) atoms are notably strong. This unique structural configuration imparts several advantageous properties to MoS₂ compared to other layered materials. Its direct bandgap allows for efficient light absorption and emission, making it an ideal candidate for optoelectronic devices. Additionally, the ability to manipulate its layer thickness makes MoS₂ highly tunable, allowing for the customization of its electronic and optical properties to suit specific application needs. This comprehensive book provides an in-depth exploration of the various properties of MoS₂, meticulously dedicating each chapter to a detailed examination of specific applications. Readers will find discussions on the challenges that researchers and practitioners encounter when working with MoS₂, including issues related to material synthesis, scalability, and integration into existing technologies. Moreover, the chapters offer valuable insights into the future directions of MoS₂ research and its potential impact on technological advancements. The authors collectively hope that this thorough exploration will serve as an invaluable resource for those seeking to deepen their understanding of the distinctive properties of MoS₂ and its transformative potential in various cutting-edge applications.

impact factor journal of materials chemistry c: Nanobiotechnology Tridib Kumar Bhowmick, Kaylan Gayen, Sunil K. Maity, 2024-05-30 This book covers topics related to drug delivery, biomaterials, drug design, formulation development, nanoscience, and nanotechnology. It describes the fundamental concepts in nanotechnology and their different applications in biotechnology to solve engineering challenges and generate new areas of technological development. *Nanobiotechnology: Applications of Nanomaterials in Biotechnology, Medicine, and Healthcare* covers vast application areas that include medical science, material science, pharmaceutical science, and environmental science. Section 1 presents recent research updates on the different nanomaterials, which are promising in different medical and biotechnological applications. Applications of nanomaterials as bone replacement orthopedic implants have revolutionized the treatment of orthopedic surgery. Nanostructured polymeric materials have gained immense research attention as therapeutic carriers for the precise delivery of drugs at targeted sites.

Nanocellulose is recognized as a promising green nanomaterial due to its renewability and abundance in nature. Scientific topics on the most recent scientific and technological advances and applications of different nanostructured materials are presented in this section. Section 2 focuses on the novel synthesis methods that are used extensively and are promising for large-scale production of inorganic and nanostructured materials. Section 3 covers the applications of nanotools in the treatment of different diseases, including cancers and genetic diseases. The increasing use of nanotechnology will bring changes in the manufacturing processes of nanomaterials. The applications of nanomaterials in the field of medical imaging and molecular detection are presented in section 4. This book will be useful for students, researchers, scientists, academicians, and industrial manufacturers to understand the importance and applicability of nanomaterials in the field of biotechnology and medical science.

impact factor journal of materials chemistry c: Coatings and Thin-Film Technologies

Jaime Andres Perez Taborda, Alba Avila, 2019-01-03 The field of coatings and thin-film technologies is rapidly advancing to keep up with new uses for semiconductor, optical, tribological, thermoelectric, solar, security, and smart sensing applications, among others. In this sense, thin-film coatings and structures are increasingly sophisticated with more specific properties, new geometries, large areas, the use of heterogeneous materials and flexible and rigid coating substrates to produce thin-film structures with improved performance and properties in response to new challenges that the industry presents. This book aims to provide the reader with a complete overview of the current state of applications and developments in thin-film technology, discussing applications, health and safety in thin films, and presenting reviews and experimental results of recognized experts in the area of coatings and thin-film technologies.

impact factor journal of materials chemistry c: Utilizing Blockchain Technologies in Manufacturing and Logistics Management Goyal, S. B., Pradeep, Nijalingappa, Shukla, Piyush Kumar, Ghonge, Mangesh M., Ravi, Renjith V., 2022-01-21 Blockchain technology has the potential to utterly transform supply chains, streamline processes, and improve the whole of security. Manufacturers across the globe face challenges with forecasting demand, controlling inventory, and accelerating digital transformation to cater to the challenges of changing market dynamics and evolving customer expectations. Hence, blockchain should be seen as an investment in future-readiness and customer-centricity, not as an experimental technology. Utilizing Blockchain Technologies in Manufacturing and Logistics Management explores the strengths of blockchain adaptation in manufacturing industries and logistics management, which include product traceability, supply chain transparency, compliance monitoring, and auditability, and also examines the current open issues and future research trends of blockchain. Leveraging blockchain technology into a manufacturing enterprise can enhance its security and reduce the rates of systematic failures. Covering topics such as fraud detection, Industry 4.0, and security threats, this book is a ready premier reference for graduate and post-graduate students, academicians, researchers, industrialists, consultants, and entrepreneurs, as well as micro, small, and medium enterprises.

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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, 2007-07-08 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 journal of materials chemistry c: What Authors Want Association of Learned and Professional Society Publishers, 1999

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

impact factor journal of materials chemistry c: Organic Solar Cells Qiquan Qiao, 2017-12-19 Current energy consumption mainly depends on fossil fuels that are limited and can cause environmental issues such as greenhouse gas emissions and global warming. These factors have stimulated the search for alternate, clean, and renewable energy sources. Solar cells are some of the most promising clean and readily available energy sources. Plus, the successful utilization of solar energy can help reduce the dependence on fossil fuels. Recently, organic solar cells have gained extensive attention as a next-generation photovoltaic technology due to their light weight, mechanical flexibility, and solution-based cost-effective processing. Organic Solar Cells: Materials, Devices, Interfaces, and Modeling provides an in-depth understanding of the current state of the art of organic solar cell technology. Encompassing the full spectrum of organic solar cell materials, modeling and simulation, and device physics and engineering, this comprehensive text: Discusses active layer, interfacial, and transparent electrode materials Explains how to relate synthesis parameters to morphology of the photoactive layer using molecular dynamics simulations Offers insight into coupling morphology and interfaces with charge transport in organic solar cells Explores

photoexcited carrier dynamics, defect states, interface engineering, and nanophase separation Covers inorganic-organic hybrids, tandem structure, and graphene-based polymer solar cells Organic Solar Cells: Materials, Devices, Interfaces, and Modeling makes an ideal reference for scientists and engineers as well as researchers and students entering the field from broad disciplines including chemistry, material science and engineering, physics, nanotechnology, nanoscience, and electrical engineering.

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impact factor journal of materials chemistry c: Handbook of Perovskite Solar Cells, Volume 2 Jiangzhao Chen, Sam Zhang, 2024-09-27 Perovskite solar cells (PSCs) have received significant attention in academia and industry due to their low cost and high-power conversion efficiency (PCE). Single- and multijunction PSCs have obtained promising certified PCEs, which suggests that PSCs are a very promising next-generation photovoltaic technology. In addition to the perovskite absorber layer, other functional layers, including electron transport layer (ETL), hole transport layer (HTL), and electrode layer (EL), have also made huge contributions to enhancing device performance. This

book focuses on the development, advancement, and application of these functional layers in various PSCs. This volume: Introduces ETL, HTL, and EL in efficient and stable PSCs. Covers material properties. Discusses a wide variety of PSCs including single-crystal PSCs, flexible PSCs, perovskite tandem solar cells, lead-free PSCs, inorganic PSCs, fully printable mesoscopic PSCs, electron/hole-transport-layer-free PSCs, semitransparent PSCs for building-integrated photovoltaics (BIPV), tandem solar cells, perovskite indoor photovoltaics, and inverted PSCs. Details potential for commercial application. This book is aimed at researchers, advanced students, and industry professionals in materials, energy, and related areas of engineering who are interested in development and commercialization of photovoltaic technologies.

impact factor journal of materials chemistry c: Recent Developments in Management Science in Engineering Jiuping Xu, 2021-08-06 Management science in engineering (MSE) is playing an increasingly important role in modern society. In particular, the development of efficient innovative, managerial tools has significantly influenced the research progress in the field. As research is vital for the propagation of leading-edge methods, journal evaluation and classification are critical for scientists, researchers, engineers, practitioners, and graduate students. This book identifies the main research categories of MSE, and evaluates and classifies each MSE journal. It is put together through the joint efforts of scientific board members, many of whom are editor-in-chiefs of journals, academicians, fellows from different countries, and members of professional societies. It is ideal for scientists, researchers, practitioners, engineers, graduate students and upper-level undergraduates in engineering management, civil engineering, industrial engineering, environmental engineering, energy engineering, information engineering, and agricultural engineering.

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SCI JCR SCI JCR Impact Factor

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csgo rating rws kast rating rating 0.9 KD 1

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2025 win11 - win11: win7 win7 win11 win10

pc配置要求 200M 内存 30.1G 硬盘 192G 内存 290m

内存 30.4G 硬盘 192G 内存 290m

10 分钟 - 10 分钟 research artical 10 分钟 IF 292 IF

Nature synthesis - Nature Synthesis JACS Nature Synthesis

Genshin Impact - Impact 3 Impact 3

SCI JCR SCI JCR Impact Factor

effect, affect, impact - effect, affect, impact 1. effect. To effect () which is an effect () The new rules will effect (), which is an

Communications Earth & Environment - Communications Earth & Environment Nature Geoscience Nature

csgo rating rws kast rating rating 0.9 KD 1

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