

AIP产品介绍及平台使用

大纲

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美国物理联合会(AIP)及
出版社(AIPP)简介

03

AIPP新平台使用

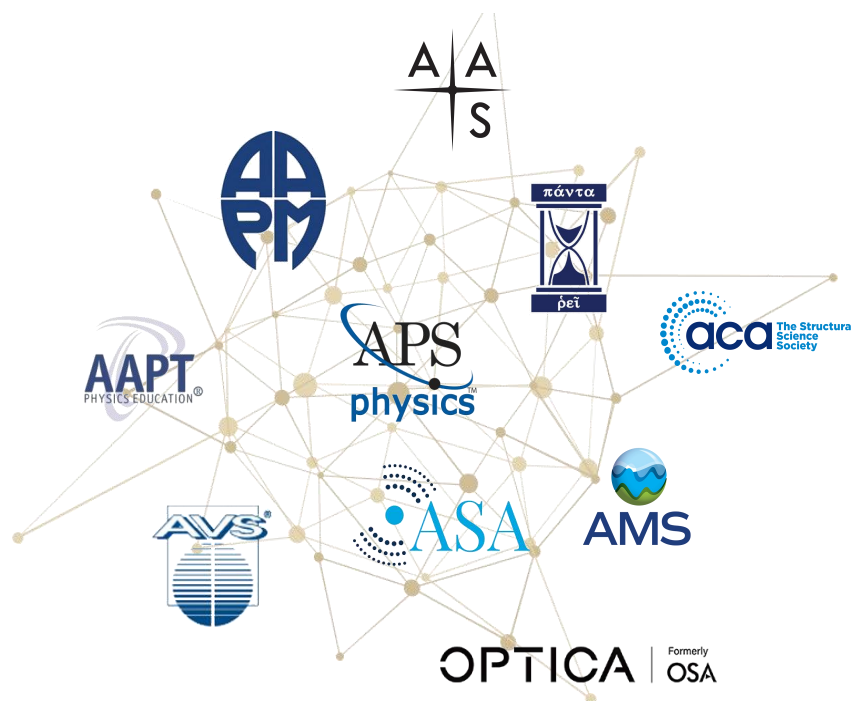
02

AIPP产品介绍

01

美国物理联合会(AIP)及 出版社(AIPP)简介

美国物理联合会 (AIP)



- **美国物理联合会 (AIP)** 是一个非营利组织，成立于1931年。
- 创建伊始，它是由**五个学会**组成，这些学会的主要目的是为物理学界制作和发行科研期刊，并为这些出版项目创造效率和规模经济。目前包括**10个学会**及**18家联属机构**。
- AIP的**使命**是为了人类的利益推进、促进和服务物理科学。90多年来一直是世界领先的物理学科出版商。

关于美国物理联合会 出版社(AIPP)

2013年2月，AIP Publishing成立，为AIP的全资非营利子机构。我们支持并资助AIP的慈善、科学和教育项目。

AIPP的成立旨在集中并扩大AIP出版活动的**能力和范围**。我们的目标是将**作者和读者**与业已出版的科学成果联系起来，加速发现，推进物理，化学及其他自然科学学科的发展。

AIPP旗下拥有**40余种**期刊，包括：

- *Applied Physics Letters*
- *Journal of Applied Physics*
- *The Journal of Chemical Physics*
- *Physics Today*等

其中**16种**期刊代表我们的**出版合作伙伴**出版。

来自全球**190多个**国家和地区的**4000多家**机构的用户。

02

AIPP产品介绍（期刊&图书）

AIPP的期刊

七大主题领域

应用物理

生物科学

化学物理

能源

材料科学

纳米科学

光子学

29 SCIE收录期刊 | 2,400 卷会议录 | 11 开放获取期刊 | 1 物理杂志

SUBJECT AREA	HIGHLY RANKED PUBLICATIONS																			
	AIP Conf Proceedings	AJP	APL	APR	AQS	BIP	BMF	BPR	CHA	CPR	CJCP	JAP	JASA	JCP	JLA	JMP	JPCRD	JPSJ	JRSE	JoR
Applied Physics	•	•	•	•	•	•	•	•		•		•	•	•	•	•	•	•	•	•
Bioscience	•		•	•	•	•	•	•	•	•		•	•	•					•	
Chemical Physics	•		•	•	•	•	•	•	•	•	•	•		•			•	•	•	•
Energy	•		•	•	•				•	•		•		•			•		•	
Materials Science	•		•	•	•	•		•		•		•		•	•		•	•	•	•
Nanoscience	•		•	•	•	•	•	•	•	•		•		•	•			•	•	
Photonics	•	•	•	•	•			•	•	•		•		•	•				•	
Included in AIP Complete	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

SUBJECT AREA	HIGHLY RANKED PUBLICATIONS									
	JVSTA	JVSTB	UA Conf Proceedings	LTP	PoF	PoP	Physics Today	RSI	SSS	TPT
Applied Physics	•	•	•	•	•	•	•	•	•	•
Bioscience	•	•	•		•	•	•	•	•	
Chemical Physics	•	•			•		•	•	•	
Energy	•	•	•		•		•	•	•	
Materials Science	•	•	•				•	•	•	
Nanoscience	•	•	•				•	•	•	
Photonics	•	•	•				•	•	•	•
Included in AIP Complete	•	•	•	•	•	•	•	•	•	•

SUBJECT AREA	OPEN ACCESS JOURNALS										
	ADV	APB	APM	APP	JASA EL	MRE	NPE	SDY	APE	AML	APQ
Applied Physics	•	•	•	•	•	•	•	•	•	•	•
Bioscience	•	•	•	•	•		•	•		•	•
Chemical Physics	•	•	•				•	•	•	•	•
Energy	•	•	•	•		•		•	•	•	•
Materials Science	•	•	•	•		•		•	•	•	•
Nanoscience	•	•	•	•			•	•	•	•	•
Photonics	•	•	•	•			•	•	•	•	•

AIPP的一些数字

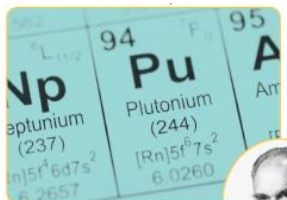
- 自1931年以来, AIPP在物理科学领域发表了**100万**篇论文, 其中包括许多诺贝尔奖得主的文章。
- 这些期刊的读者遍布全球近**200个**国家和地区; THE排名**前100强**高等教育机构都订阅了我们的内容。
- AIP会议录收录了超过**200000篇**会议论文, 共2400余卷, 时间跨度超过**50年**。
- 2022年, 我们收到了**36000**多份投稿, 发表了**30000**多篇文章, 提供了**4700万**次全文下载。



Ernest Lawrence
Winner 1939
Nobel Prize in Physics
Invented the Cyclotron



Francis Crick
Winner 1962
Nobel Prize in Physiology or Medicine
Co-discovered the structure of DNA
Photo: Marc Lieberman (2004)



Glenn Seaborg
Winner 1951
Nobel Prize in Chemistry
Co-discovered plutonium
Photo: Digital photo archive, Department of Energy (DOE)



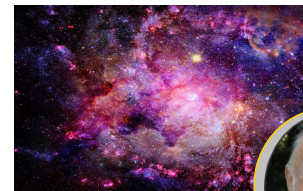
Dennis Gabor
Winner 1971
Nobel Prize in Physics
Invented holography



William Shockley
Winner 1956
Nobel Prize in Physics
Co-invented the transistor



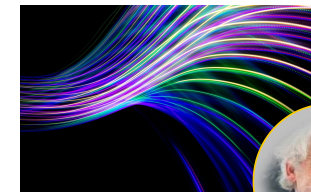
Shuji Nakamura
Winner 2014
Nobel Prize on Physics
Co-invented efficient blue light-emitting diodes



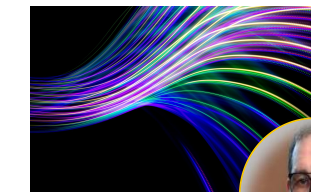
Arthur Ashkin
Winner 2018
Nobel Prize on Physics
Groundbreaking inventions in the field of laser physics



Roger Penrose
Winner 2020
Nobel Prize on Physics
Co-discovered the nature of a black hole



Anton Zeilinger
Winner 2022
Nobel Prize on Physics
pioneering quantum information science

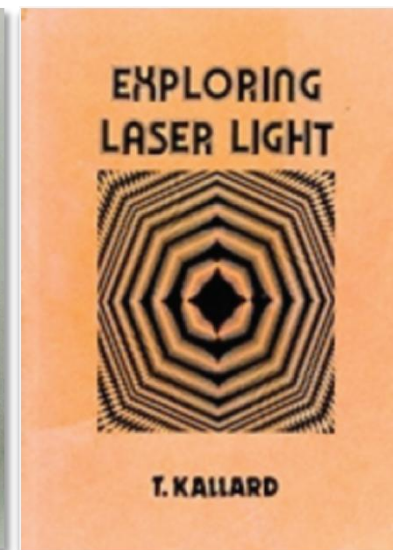
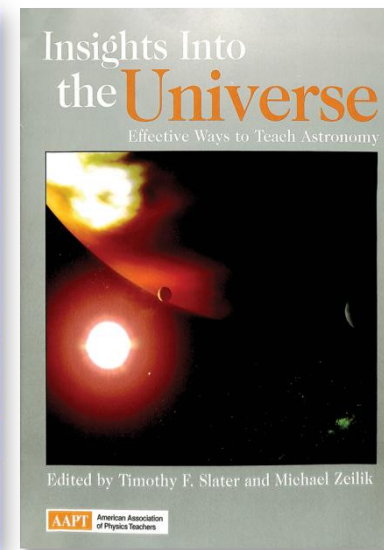
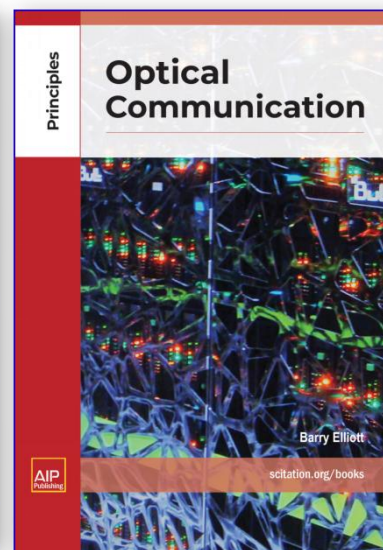
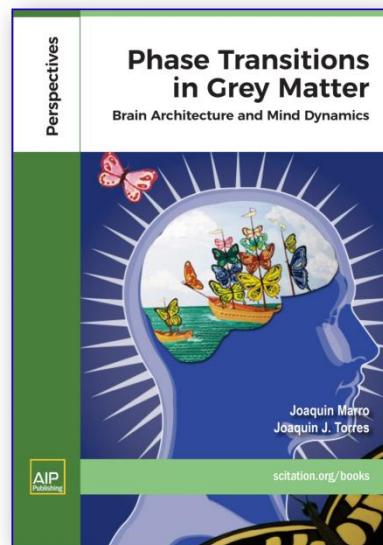


Alain Aspect
Winner 2022
Nobel Prize on Physics
pioneering quantum information science



AIPP的电子图书

- AIP出版社的电子书合集目前共出版了三套合集内容，分别为**Collection 1**、**Collection 2**和**AAPT Book Archive Collection**。
- C1合集共出版**40**本图书，C2合集共出版**43**本图书，目前已经全部出版完毕。
- AIP Publishing与American Association of Physics Teachers (AAPT) 合作，对1977-2017年间的**34**本原版著作进行了数字化。这套数字化重新制作的馆藏——AAPT Book Archive已完全整合到新平台上。



➤ 核心主题领域:

- 材料科学
- 生物物理与工程
- 光学与光子学
- 能源
- 数学物理
- 数学和理论物理
- 凝聚态
- 化学物理
- 纳米技术
- 教育

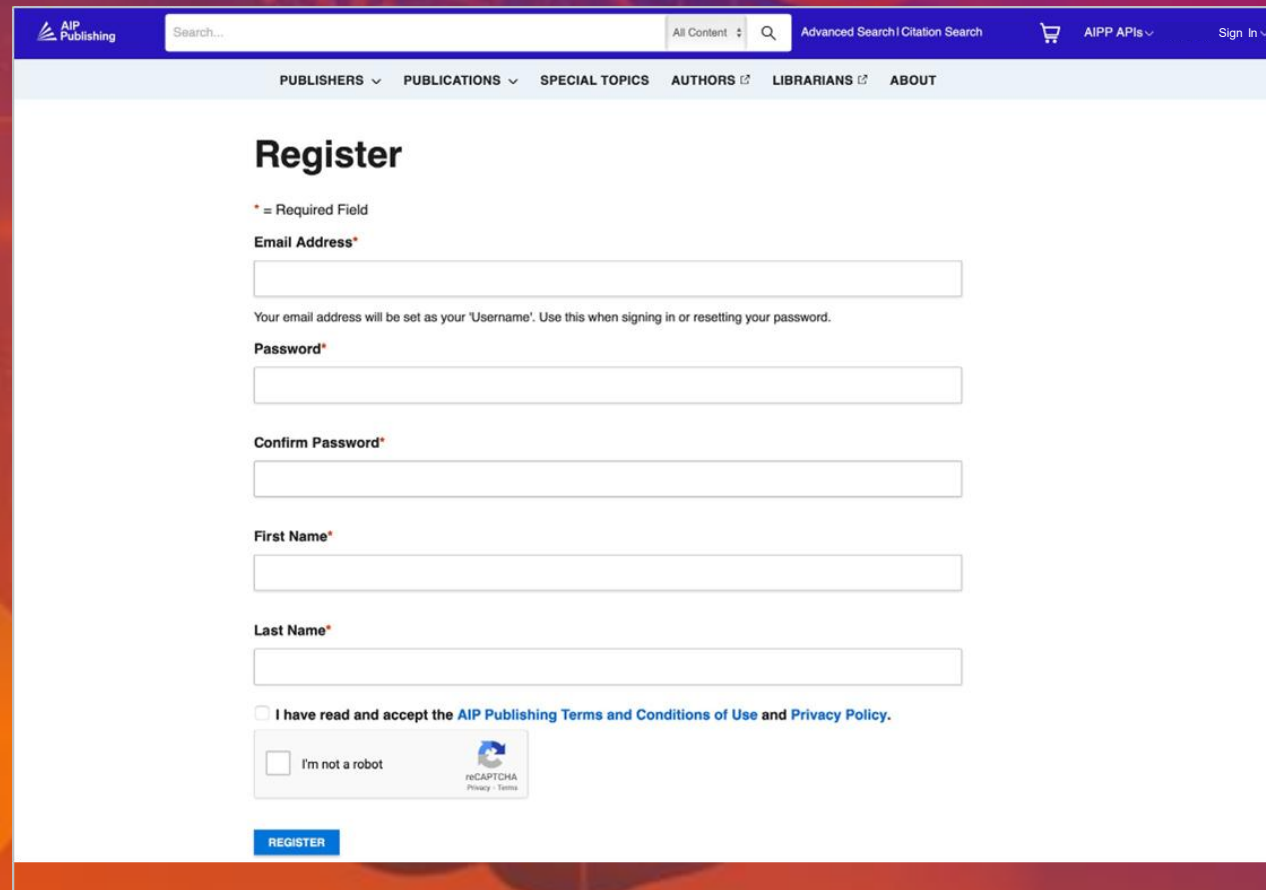
03

AIPP新平台使用
<https://pubs.aip.org/>

AIPP新平台优化了用户和管理员服务，带来了精简的时新体验。

- 改进了网站导航，提升了可发现性，便于找到某篇特定文献
- 推出了新的分屏浏览功能
- 改进了视频播放器的传输能力
- 阅读某研究领域经典文献
- 跟踪某研究领最新进展
- 跟踪特定学者最新研究
- 跟踪某期刊最新文章及精选文章

注册一个账户来优化您的体验，请访问：
<https://pubs.aip.org/my-account/register> 或点击主页面
<https://pubs.aip.org/> 右上角“Sign in”下拉菜单中的
“register”，进入到注册页面，进行注册。



The screenshot shows the 'Register' page of the AIP Publishing website. The page has a dark blue header with the AIP Publishing logo, a search bar, and navigation links for PUBLISHERS, PUBLICATIONS, SPECIAL TOPICS, AUTHORS, LIBRARIANS, and ABOUT. The main content area is white and contains the following fields and elements:

- Register** (Section Header)
- * = Required Field** (Note)
- Email Address*** (Text input field)
- Your email address will be set as your 'Username'. Use this when signing in or resetting your password.
- Password*** (Text input field)
- Confirm Password*** (Text input field)
- First Name*** (Text input field)
- Last Name*** (Text input field)
- ☐ I have read and accept the [AIP Publishing Terms and Conditions of Use](#) and [Privacy Policy](#).
- ☐ I'm not a robot (reCAPTCHA)
- REGISTER** (Blue button)

AIPP新平台主页 - 1

The screenshot shows the AIP Publishing website homepage. At the top, there is a search bar with the placeholder text "输入关键词、作者姓名、期刊名称、DOI, ISSN等" (Enter keywords, author name, journal name, DOI, ISSN, etc.). To the right of the search bar are buttons for "高级检索" (Advanced Search) and "引文搜索" (Citation Search). Below the search bar is a navigation menu with links: PUBLISHERS, PUBLICATIONS, SPECIAL TOPICS, AUTHORS, LIBRARIANS, and ABOUT. Below the navigation menu is a row of orange buttons: "按出版商浏览" (Browse by Publisher), "按出版内容浏览" (Browse by Publication Content), "专题" (Special Topics), "作者资源" (Author Resources), "图书馆员资源" (Librarian Resources), and "关于我们" (About Us). Below the orange buttons is a large banner with the text "Conference Proceedings" and "Physical sciences". Below the banner is a row of blue buttons: "Browse Journals", "Conference Proceedings", "Physics Today", and "Browse Books". Below the blue buttons is a row of three images: a group of people in a laboratory, a hand holding a pen over a document, and a close-up of a circuit board. On the left side of the screenshot, there is a white box with a list of publishers: AIP Publishing, Physics Today, Acoustical Society of America, American Association of Physics Teachers, American Crystallographic Association, Inc., AVS: Science and Technology of Materials, Interfaces and Processing, China Academy of Engineering Physics, Chinese Physical Society, Laser Institute of America, The Society of Rheology, and Tianjin University. An orange arrow points from the "按出版商浏览" button to this list. A white box with a dropdown menu is also shown, with "Journals" selected, and other options: "Physics Today", "Conference Proceedings", and "Books".

AIP Publishing

Physics Today

Acoustical Society of America

American Association of Physics Teachers

American Crystallographic Association, Inc.

AVS: Science and Technology of Materials, Interfaces and Processing

China Academy of Engineering Physics

Chinese Physical Society

Laser Institute of America

The Society of Rheology

Tianjin University

输入关键词、作者姓名、期刊名称、DOI, ISSN等

高级检索

引文搜索

PUBLISHERS

PUBLICATIONS

SPECIAL TOPICS

AUTHORS

LIBRARIANS

ABOUT

按出版商浏览

按出版内容浏览

专题

作者资源

图书馆员资源

关于我们

Conference Proceedings

Physical sciences

Browse Journals

Conference Proceedings

Physics Today

Browse Books

Journals

Physics Today

Conference Proceedings

Books

登录地址: <https://pubs.aip.org/>



AIPP新平台主页 - 2



Publishing Partners

出版合作伙伴



Special Topic Collections

专题合集



Upcoming Special Topic Collections

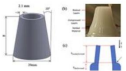
即将推出的专题合集

Active Topics

- Materials and material systems
- Materials analysis
- Fluid mechanics
- Engineering science
- Mathematical analysis
- Computer science and technology
- Electronic devices
- Fluid flows
- Chemical compounds
- Classical electromagnetism

Featured Articles

RESEARCH ARTICLE | JULY 01 2023



On the selection of rheological tests for the prediction of 3D printability

Ying Liu, Matthew Hildner et al.

Direct ink writing is used to print multiple polydimethylsiloxane (PDMS) mixtures with fumed silica or as a two-part commercial liquid silicone rubber (LSR) mixed with polyethylene glycol (PEG) or as ...

RESEARCH ARTICLE | JULY 01 2023



Active Topics

- Materials and material systems
- Materials analysis

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中。

精选文章：查看我们期
刊合集中最近出版的一
些精选文章。

前沿主题

登录地址: <https://pubs.aip.org/>

AIPP新平台 – 平台检索

您可以从主页面上对我们的整个内容平台进行基本检索、高级检索或引文搜索。

The screenshot displays the AIPP Publishing website interface. At the top, there is a navigation bar with the AIPP Publishing logo, a search bar labeled 'Search...', and links for 'All Content', 'Advanced Search', 'Citation Search', 'AIPP APIs', and 'Sign In'. Below the navigation bar, there is a menu with 'PUBLISHERS', 'PUBLICATIONS', 'SPECIAL TOPICS', 'AUTHORS', 'LIBRARIANS', and 'ABOUT'. The main content area features three search options: 'Advanced Search', 'Author Search', and 'Citation Search'. The 'Advanced Search' section includes a text input field labeled 'Enter Term', a 'SEARCH' button, and radio buttons for 'Search For: Any', 'All', and 'Exact Phrase'. The 'Citation Search' section includes a dropdown menu for 'Select a Journal', input fields for 'Volume' and 'First Page', and a 'SEARCH' button. Arrows point from the search bar and the 'Advanced Search' and 'Citation Search' sections to explanatory text boxes.

Search...

Advanced Search

Enter Term

SEARCH

Search For: ☒ Any ☐ All ☐ Exact Phrase

Filter

Author Search

Author Search

Citation Search

Citation

Select a Journal

Volume

First Page

SEARCH

If you wish to search using additional fields, please use the [Advanced Search](#).

基本检索：通过特定短语或词汇对平台进行检索。

高级检索：下面会出现检索选项，您可以使用多个短语和词汇进行限定检索，并可以对搜索结果进行筛选。

引文搜索：选择期刊名称，再输入相应的卷号和页码进行搜索。

精炼检索结果

Update Search

1-20 of 10730 Search Results for metal organic frameworks

meta

Filter

ADD TERM UPDATE

Format

☐ Journal Articles (238)

☐ Book (59)

☐ Book Chapter (142)

☐ Proceedings Papers (21)

☐ Images (24)

☐ Online (8)

Collections

☐ JCP Editors' Choice 2019 (9)

☐ Chemical Physics Software Collection (8)

☐ Electronic Structure Software (8)

☐ Data-Enabled Theoretical Chemistry (6)

☐ JCP Editors' Choice 2017

Full Text

Abstract

Word

DOI

ISBN

EISSN

ISSN

EISSN

Issue

Volume

References

metal organic frameworks adsorbent for Iraq d

Thabet Abed Alrubaye

s 2475, 040005 (2023)

5.0102770

view article

PDF

A kinetic study of metal-organic frameworks as vehicle in Iraq

Mohammed Sattar Jabbar, Rana Th. A. Alrubaye

Journal: AIP Conference Proceedings 2651, 070004 (2023)

DOI: <https://doi.org/10.1063/5.0108489>

Published: March 2023

...Mohammed Sattar Jabbar, Rana Th. A. Alrubaye This study

frameworks (HKUST-1) and drawbacks of the current

Abstract

View article

PDF

按字段过滤

更新结果

按类型过滤

添加搜索字段

按专辑过滤

按主题过滤

按内容过滤

按期刊过滤

按文献类型过滤

按丛书过滤

按栏目过滤

按日期过滤

按获取类型过滤

Book Series

☐ AIPP Books (202)

☐ Principles (88)

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☐ Archive (13)

Issue Section

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☐ Liquids, Glasses, and Crystals (161)

Date

☒ Date range

☐ Single date

From

mm/dd/yyyy

To

mm/dd/yyyy

APPLY

Availability

☐ Available

☐ Open Access

☐ Free

☐ Available for purchase

精炼检索结果

The screenshot shows the AIP Publishing search interface. The top navigation bar includes the AIP Publishing logo, a search bar, and links for 'All Content', 'Advanced Search', and 'Citation Search'. Below the navigation bar, there are tabs for 'PUBLISHERS', 'PUBLICATIONS', 'SPECIAL TOPICS', 'AUTHORS', 'LIBRARIANS', and 'ABOUT'. The main content area displays search results for 'metal organic frameworks'. On the left, there is a sidebar with 'Update Search' and 'Format' sections. The 'Update Search' section includes input fields for 'metal organic frameworks' and 'energy storage', and buttons for 'Filter All', 'Filter Full Text', 'ADD TERM', and 'UPDATE'. The 'Format' section includes a checkbox for 'Journal Articles (82)'. The 'Topics' section lists various physics topics. The search results are sorted by 'Relevancy'. A modal window titled 'Follow your search' is open, allowing the user to name their search and save it. A dropdown menu is also visible, showing options like 'My Alerts', 'My Subscriptions', 'My Profile', 'Saved Searches', 'My Tokens', 'Enter Access Code', and 'Sign Out'. Annotations in orange boxes highlight the search criteria, the 'Save search' button, the 'Sort by Relevancy' dropdown, the 'Follow your search' modal, and the 'Saved Searches' option in the dropdown menu.

Update Search

metal organic frameworks

Filter **All** ▾

energy storage

Filter **Full Text** ▾

ADD TERM **UPDATE**

Format

☐ Journal Articles (82)

Topics

▼ AIP thesaurus

- ▶ Acoustics
- ▶ Biological physics
- ▶ Chemical physics
- ▶ Condensed matter physics
- ▶ Electronics
- ▶ General physics
- ▶ Interdisciplinary physics
- ▶ Materials science

1-20 of 82 Search Results for **metal organic frameworks**

Review Article ☐ Full Text: energy storage ☐

Save search **保存检索结果**

Sort by Relevancy

对检索结果进行排序

Relevancy
Date - Newest First
Date - Oldest First

Follow your search

Access your saved searches in your account

Name your search

metal organic frameworks

SAVE SEARCH

Saved Searches

My Alerts
My Subscriptions
My Profile
Saved Searches
My Tokens
Enter Access Code
Sign Out

Layer-by-layer assembly of metal-organic framework thin films: Fabrication and advanced applications

Dong-Hui Chen, Hartmut Gliemann, Christof Wöll

Journal: Chemical Physics Reviews

期刊页面

APL Materials

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本刊合集

作者天地

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Volume 35, Issue 4

April 2023

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Upcoming Special Topics

Preparing Your Manuscript

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News

Focus and Coverage

APL Materials is an open access journal that features original research on significant topical issues within the field of materials science. The journal also publishes Perspectives, Research Updates, and Special Topic collections on emerging topics in materials science.

Read more about the journal

Editor-in-Chief

Bo Wang

View Full Editorial Board

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Current Issue

了解期刊、编辑委员会相关信息, 访问近期的内容

Featured Articles

EDITORIAL | APRIL 19 2023

Exploring topical areas in APL Materials

Bo Wang, Katherine VanDenburgh

精选文章

RESEARCH ARTICLE | APRIL 13 2023

Room-temperature synthesis of lead-free copper(I)-antimony(III)-based double perovskite nanocrystals

Shizhe Wang, Dan Han et al.

In the field of perovskite solar cells, explorations of new lead-free all-inorganic perovskite materials are of great interest to address the instability and toxicity issues of lead-based hybrid ...

Editor's Picks

RESEARCH ARTICLE | APRIL 13 2023

Room-temperature synthesis of lead-free copper(I)-antimony(III)-based double perovskite nanocrystals

Shizhe Wang, Dan Han et al.

In the field of perovskite solar cells, explorations of new lead-free all-inorganic perovskite materials are of great interest to address the instability and toxicity issues of lead-based hybrid ...

编辑精选

RESEARCH ARTICLE | MARCH 27 2023

Li(C₂N₃) as eutectic forming modifier in the melting process of the molecular perovskite [(C₂H₇)₃N(C₂H₅)Mn(C₂N₃)₂]

Silva M. Kronawitter, Sebastian A. Hallweger et al.

Coordination polymer (CP) glasses have recently emerged as a new glass state. Given the young state of the field, the discovery of concepts that guide the synthesis of CP glasses with targeted ...

最新文章

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RESEARCH ARTICLE | APRIL 19 2023

Low temperature tetragonal polymorph of CaZrF₆

Daniel L. Bodine, Angus P. Wilkinson

A new tetragonal polymorph of CaZrF₆ can be prepared by high energy ball milling of a CaF₂/ZrF₄ mixture, followed by heat treatment at 325 °C. This polymorph is thermodynamically stable with respect ...

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Physics of Fluids



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Volume 33, Issue 10
October 2021



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Article Contents

I. INTRODUCTION

II. METHODS

- A. Computational Domain And Mesh
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ACKNOWLEDGMENTS

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Computational study on the transmission of the SARS-CoV-2 virus through aerosol in an elevator cabin: Effect of the ventilation system

N. N. Peng (彭宁宁) ; K. W. Chow (周嘉豪) ; C. H. Liu (廖俊豪)

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Aerosol transmission is now well-established as a major route of SARS-CoV-2 virus. Factors influencing the transport of virus-laden particles include human respiratory events, locations of the infected person(s), and the ventilation system (ventilation mode, ventilation capacity, and vent schemes). "Breath," "cough," and "sneeze" are defined quantitatively by the fluid jet velocities and particle sizes. For natural ventilation, most particles exhaled by sneezing and coughing tend to deposit on surfaces quickly, but aerosol generated by breathing will remain suspended in the air longer. For forced ventilation, motions of particles under different ventilation capacities are compared. Larger particles otherwise deposited readily on solid surfaces may be slowed down by airflow. Air currents also accelerate the motions of smaller particles, facilitating the subsequent deposition of micrometer or sub-micrometer particles. Locations of the infected person(s) lead to different spreading scenarios due to the distinctive motions of the particles generated by the various respiratory events. Sneeze particles will likely contaminate the person in front of the infected passenger only. Cough particles will increase the risk of all the people around the injector. Breath particles tend to spread throughout the confined environment. An optimized vent scheme is introduced and can reduce particles suspended in the air by up to 80% as compared with commonly used schemes. The purification function of this vent model is robust to various positions of the infected passenger.

Topics

Aerosols, Computer simulation, Fluid jets, Turbulence simulations, Turbulent flows

I. INTRODUCTION

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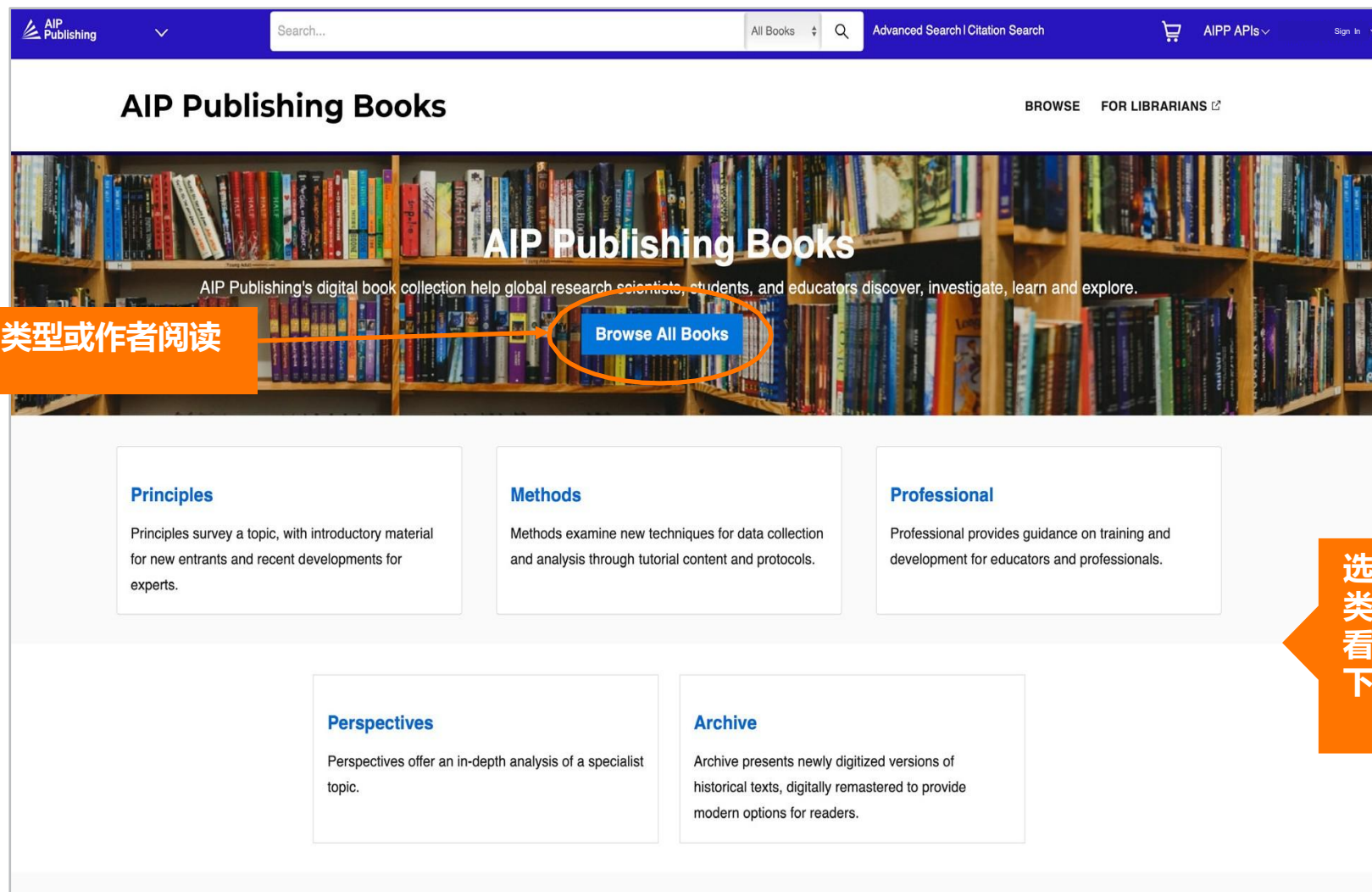
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Strain Engineering in Functional Materials and Devices

Edited by Ranjith Ramadurai; Saswata Bhattacharyya

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Chapter 1: Strain Engineering in Crystalline Solids

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Strain is one of the important physical entities in engineering materials. It beholds the underlying intertwined relations between various functionalities of crystalline materials that offers smart functionalities like piezoelectricity, ferroelectricity, multiferroicity etc. Overall, this book is an attempt to discuss the operation of strain at different length scales and its influence on properties like electronic structure, structural stability, evolution of functional domains, etc. In addition procees induced strain and the respective microstructural evolution are also discussed. This chapter details the essential fundamentals that are required for the theoretical formalisms that are discussed in the later chapters of this book. Introductory sections on strain as a tensor and its interrelation with physical properties and its conformation to crystal symmetry through Neumann principle are discussed. In addition, discussions pertaining to strain as an equilibrium physical property is carried out in brief. A brief introduction to atomistic approach mainly through density functional theory is also presented with the needful basics of electrostatic potentials and illustrations. The last section of the chapter is dedicated to methods and measurements in which strain is involved in experimental studies. Most importantly, the commonly used processing of epitaxial strain and its experimental determination are discussed.

1.1 Introduction

This chapter introduces the concept of strain in crystalline solids. In subsequent chapters, we show how strain engineering or tailoring of strain fields via different methods (e.g., epitaxy, strain-capping layer, patterning, etc.) can be used to alter the physical properties of crystals.

A crystalline solid or a crystal refers to any solid material in which the constituent atoms or molecules are arranged in a definite, regular or periodic pattern. Macroscopically, crystals

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