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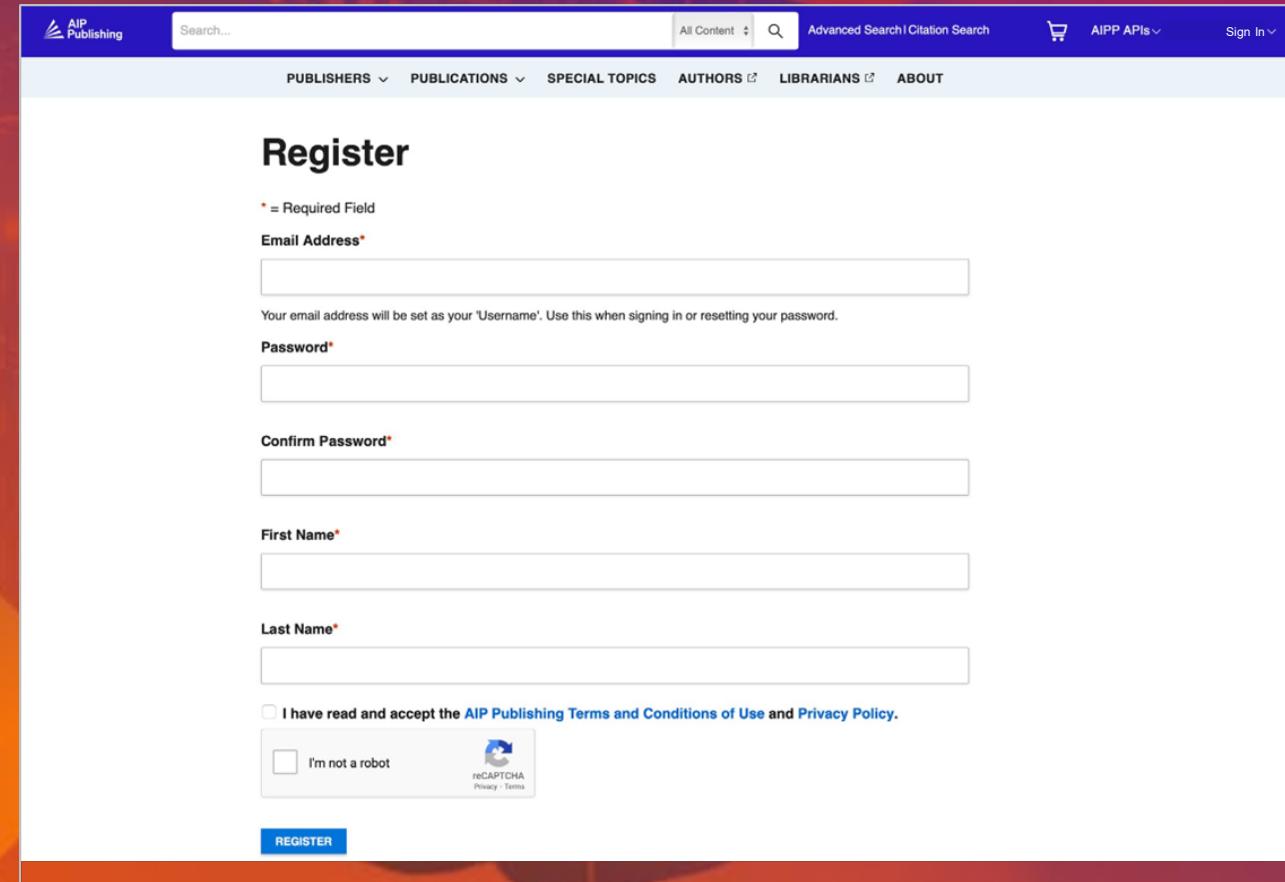
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The screenshot shows the 'Register' page of the AIP Publishing website. The page has a light blue header with the AIP Publishing logo and a search bar. Below the header, there are navigation links for PUBLISHERS, PUBLICATIONS, SPECIAL TOPICS, AUTHORS, LIBRARIANS, and ABOUT. The main content area is titled 'Register' and contains several input fields: 'Email Address*' (with a note that it will be used as the 'Username'), 'Password*', 'Confirm Password*', 'First Name*', and 'Last Name*'. At the bottom of the form, there is a checkbox for accepting the 'AIP Publishing Terms and Conditions of Use and Privacy Policy', followed by a reCAPTCHA verification box and a 'REGISTER' button.

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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

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The screenshot shows the AIP Publishing platform's search interface. At the top, there is a search bar with the placeholder "Search...". Below the search bar is a navigation bar with links for "All Content", "Advanced Search", "Citation Search", "AIPP APIs", and "Sign In". The main search area is titled "Advanced Search" and contains a search input field labeled "Enter Term", a "SEARCH" button, and options for "Search For: Any", "All", or "Exact Phrase". Below this is an "Author Search" section with an "Author Search" input field. The bottom section is titled "Citation Search" and includes a dropdown menu for "Select a Journal", input fields for "Volume" and "First Page", and a "SEARCH" button. A note at the bottom of this section says, "If you wish to search using additional fields, please use the Advanced Search." Three orange callout boxes provide detailed descriptions of each search type:

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- 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

PUBLISHERS ▾ PUBLICATIONS ▾ SPECIAL TOPICS AUTHORS ▾ LIBRARIANS ▾ ABOUT

1-20 of 10730 Search Results for metal organic frameworks

Update Search

meta
Filter **更新结果**
ADD TERM UPDATE

按字段过滤

Format
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□ Proceedings Papers (21)
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按类型过滤

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Volume
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Journal Articles
A kinetic study of metal-organic frameworks as vehicle in Iraq
Mohammed Sattar Jabbar, Rana Th. A. Alrubaye
Journal: AIP Conference Proceedings
AIP Conference Proceedings 2851, 070004 (2023)
DOI: <https://doi.org/10.1063/5.0106489>
Published: March 2023
...Mohammed Sattar Jabbar, Rana Th. A. Alrubaye. This study frameworks (HKUST-1) and its applications. The synthesis and drawbacks of the current

Abstract ▾ View article PDF

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The Journal of Chemical Physics (3297)
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Applied Physics Letters (814)
Physics of Fluids (299)
Review of Scientific Instruments (271)
Physics Today (240)
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精炼检索结果

The screenshot shows the AIP Publishing search interface. The search bar at the top contains the query "metal organic frameworks". The results page displays 1-20 of 82 search results for this query. The first result is a "Review Article" titled "Full Text: energy storage". Below the search bar, there is a "Save search" button and a large orange button labeled "保存检索结果" (Save Search Results). To the right, there is a sidebar with options like "My Alerts", "My Subscriptions", "My Profile", and a highlighted "Saved Searches" button. A modal window is open, prompting the user to "Follow your search" and "Name your search" for the query "metal organic frameworks". The "SAVE SEARCH" button in the modal is also highlighted with an orange box. The overall interface is clean and modern, with a blue and white color scheme.

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**

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

Abstract **View article** **PDF**

JOURNAL ARTICLES

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

Dong-Hui Chen, Hartmut Giemann, Christof Wöll

Journal: Chemical Physics Reviews

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EDITORIAL | APRIL 19 2023

Exploring topical areas in APL Materials

Bo Wang, Katherine VanDenburgh

精选文章

RESEARCH ARTICLE | APRIL 13 2023

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(C_2N_3) as eutectic forming modifier in the melting process of the molecular perovskite $[(C_2H_5)_2N(C_2H_5)Mn(C_2N_3)_3]^+$

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 ...

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RESEARCH ARTICLE | APRIL 19 2023

Low temperature tetragonal polymorph of $CaZrF_6$

Daniel L. Bodine, Angus P. Wilkinson

A new tetragonal polymorph of $CaZrF_6$ can be prepared by high energy ball milling of a CaF_2/ZrF_4 mixture, followed by heat treatment at $325^{\circ}C$. This polymorph is thermodynamically stable with respect ...

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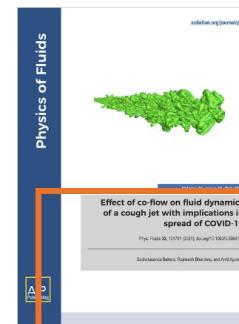
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Volume 33, Issue 10

October 2021



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C. The Effect Of The Position Of Infected Passenger

D. The Effect Of Vent Schemes

E. The Performance Of The Optimized Vent Scheme

IV. CONCLUSIONS

ACKNOWLEDGMENTS

AUTHOR DECLARATIONS

Conflict Of Interest

RESEARCH ARTICLE | OCTOBER 25 2021

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

Special Collection: Flow and the Virus, Flow and the Virus

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

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Department of Mechanical Engineering,
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A companion article has been published: Simulations show how coronavirus aerosol spreads in confined space

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Aerosol transmission is now well-established as a route for SARS-CoV-2 virus. Factors influencing the transport of virus-laden particles are investigated computationally and 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.

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Volume 33, Issue 10
October 2021

RESEARCH ARTICLE | OCTOBER 25 2021

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

Special Collection: Flow and the Virus, Flow and the Virus

N. N. Peng (彭宁宁), K. W. Chow (周國榮), C. H. Liu (廖俊豪)

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Article history

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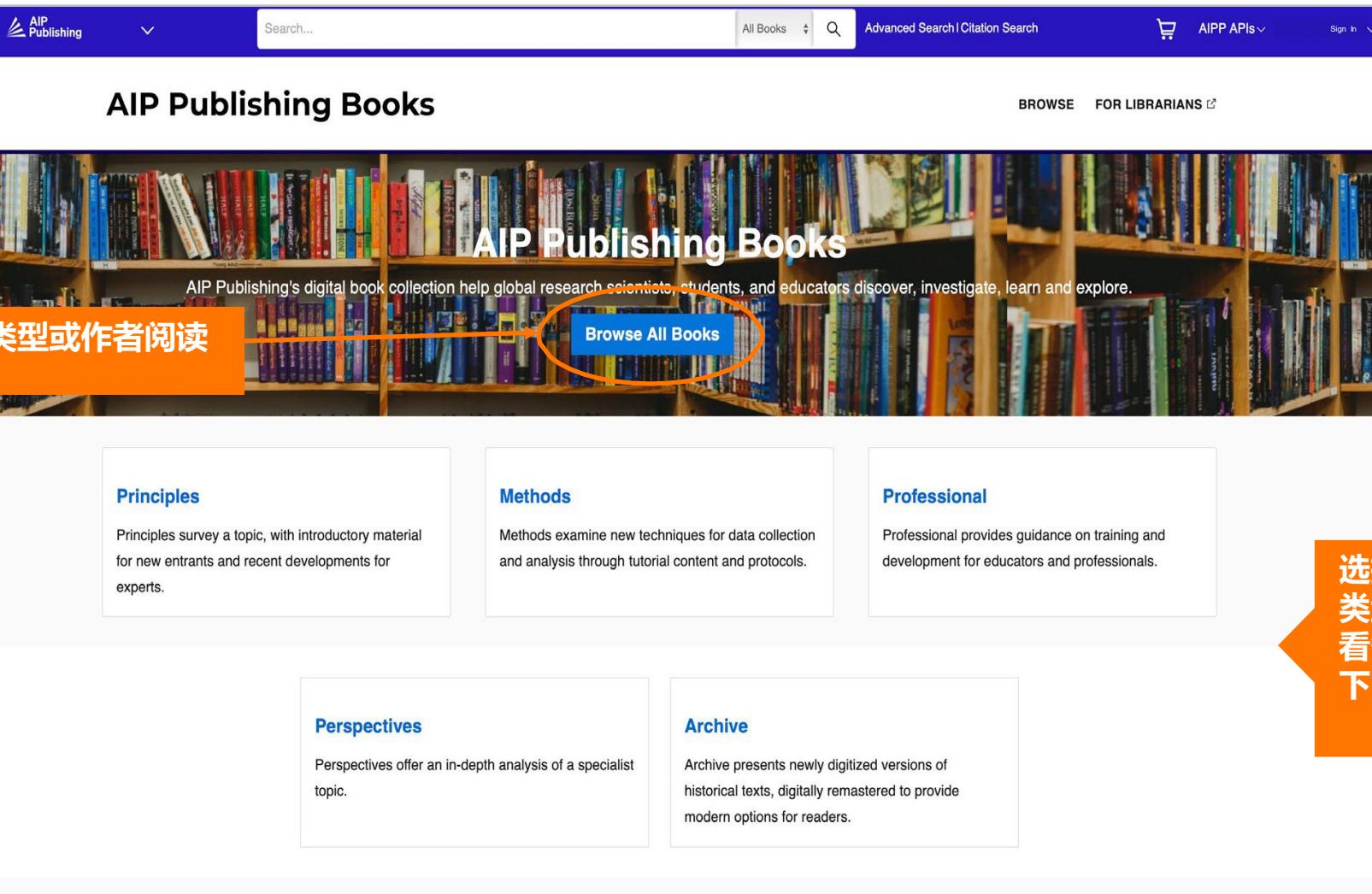
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Physics-informed neural networks for solving Reynolds-averaged Navier-Stokes equations

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某本书的页面

The screenshot shows the AIP Publishing Books website. The main page title is 'AIP Publishing Books'. The book page title is 'Strain Engineering in Functional Materials and Devices', edited by Ranjith Ramadurai and Saswata Bhattacharya. The book cover image is displayed on the left. The page includes a 'Table of Contents' section with chapters: 'Front Matter', 'Chapter 1: Strain Engineering in Crystalline Solids', 'Chapter 2: First Principles Modeling of Strain Induced Effects in Functional Materials', and 'Chapter 3: Impact of Strain on the Electronic and Optoelectronic Properties of III-Nitride Semiconductor Heterostructures'. Each chapter has a 'View Chapter' and a 'PDF' download link. The page also features 'Buy Print' and 'My Books' buttons, a 'Share' button, and a 'Cite' button. A search bar at the top is set to 'All Books'.

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