

Scitation.org

User Guide



The screenshot shows the Scitation website homepage. At the top, there is a navigation bar with a 'MENU' icon on the left and a 'SIGN IN' link on the right. The main heading is 'Scitation' in a large, bold font. Below this, a tagline reads: 'Scitation is home to the most influential news, comment, analysis and research in the Physical Sciences.' A search bar is positioned below the tagline, with the placeholder text 'Enter words / phrases / DOI / ISBN / authors / keywords / etc.' and a search icon. The 'TRENDING ARTICLES' section features four article cards, each with a date, a title, and a 'Physics Today' link. The bottom of the page includes a footer with the 'AIP Publishing' logo and a section titled 'About AIP Publishing' which contains a brief description of the organization's mission.



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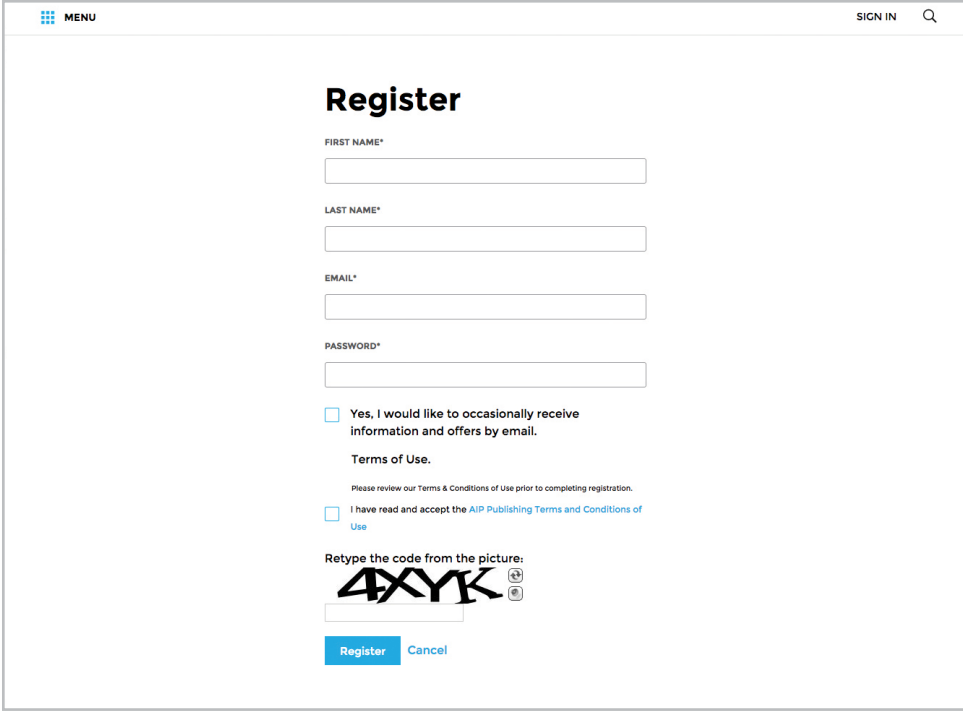
The Scitation.org Platform

The improved Scitation.org platform brings all users and administrators improved service and a more streamlined, modern reading experience.

What's new?

- **Redesigned page layout** - for better article readability
- **Optimized display** – across mobile devices and browsers
- **Improved speed** – faster navigation and search functionality
- **New figure viewer** - to explore visual content
- **Improved linking** - including free access to all supplementary material
- **More collaboration tools** - simplifying sharing with colleagues and across social networks
- **Rebuilt library admin access site** - for more efficient account management

To ensure a personalized experience on Scitation.org, take a moment to create a profile by visiting: <https://www.scitation.org/action/registration>



The screenshot shows the registration page on Scitation.org. At the top left is a 'MENU' icon, and at the top right are 'SIGN IN' and a search icon. The main heading is 'Register'. Below it are four input fields: 'FIRST NAME*', 'LAST NAME*', 'EMAIL*', and 'PASSWORD*'. There is a checkbox for 'Yes, I would like to occasionally receive information and offers by email.' Below that is the 'Terms of Use' section, which includes a link to 'Please review our Terms & Conditions of Use prior to completing registration.' and a checkbox for 'I have read and accept the AIP Publishing Terms and Conditions of Use'. A CAPTCHA image shows the code '4XYK' with a refresh icon. Below the CAPTCHA is a text input field for retyping the code. At the bottom are two buttons: 'Register' (in blue) and 'Cancel'.

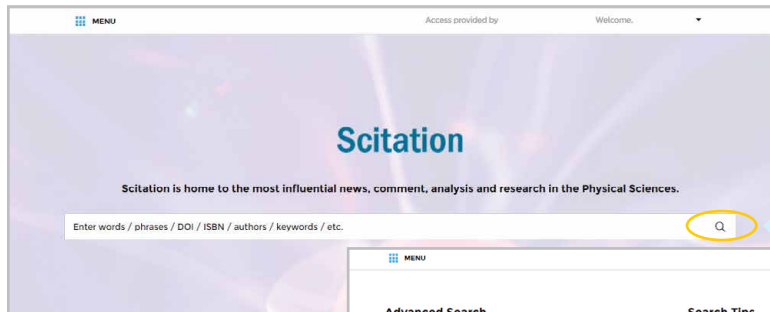
Scitation.org Homepage

On the Scitation.org homepage you can learn more about AIP Publishing and our portfolio, log in to your account profile, run basic and advanced searches, view trending articles, access individual publications, and view the latest physics employment opportunities.

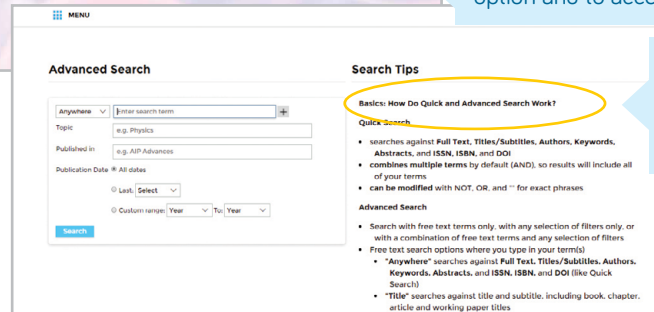
The image shows a screenshot of the Scitation.org homepage with several callout boxes pointing to specific features:

- Personalized for institutional customers when accessing content via IP range**: Points to the "Access provided by" text at the top of the page.
- Indicates you're logged in to your account**: Points to the "Welcome" text at the top right of the page.
- Search the Scitation.org platform by keyword, phrase, DOI, ISBN, author name, etc.**: Points to the search bar containing the placeholder text "Enter words / phrase / DOI / ISBN / authors / keywords / etc.".
- Read the latest articles from across the platform**: Points to the "TRENDING ARTICLES" section.
- Sign up for Alerts - register for journal alerts to be delivered right to your inbox**: Points to the "SIGN UP FOR ALERTS" button.
- For Authors - access the Author Resource Center for information on manuscript submission, publishing, available services, and more.**: Points to the "FOR AUTHORS" button.
- Learn more about AIP Publishing, read the latest and most popular articles, etc.**: Points to the "About AIP Publishing" section.
- To perform an advanced search, click the magnifying glass. and the "advanced search" box will appear (see page 4).**: Points to the magnifying glass icon in the search bar.
- Note: the "search tips" that appear in the right column are very useful when you're seeking to obtain tailored search results**: Points to the right-hand side of the page.

Advanced Search Tool



Click here to view the "Advanced Search" option and to access "Search Tips"

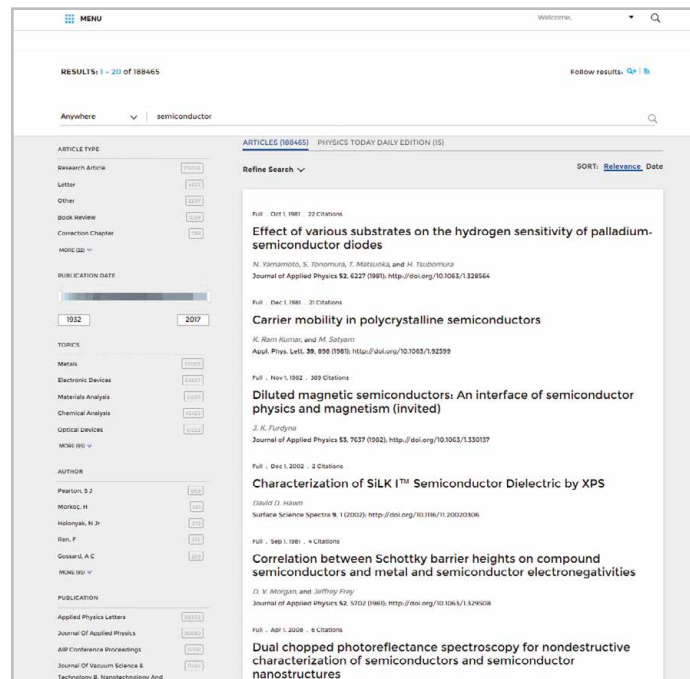


Review the "Search Tips" to get the most out of your search results

Search Results

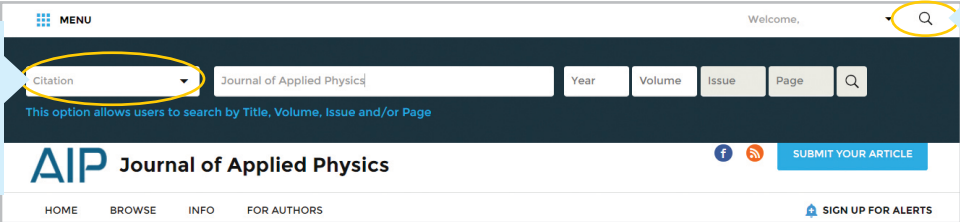
When search results appear, you can:

- Filter by article type, publication date, topic, author name, or publication
- Sort by relevance or publication date



Article Search by Citation from Journal Homepage

From the top of the journal homepage, you can search by citation. For the most accurate results, fill in the journal name, year of publication, volume and page number.



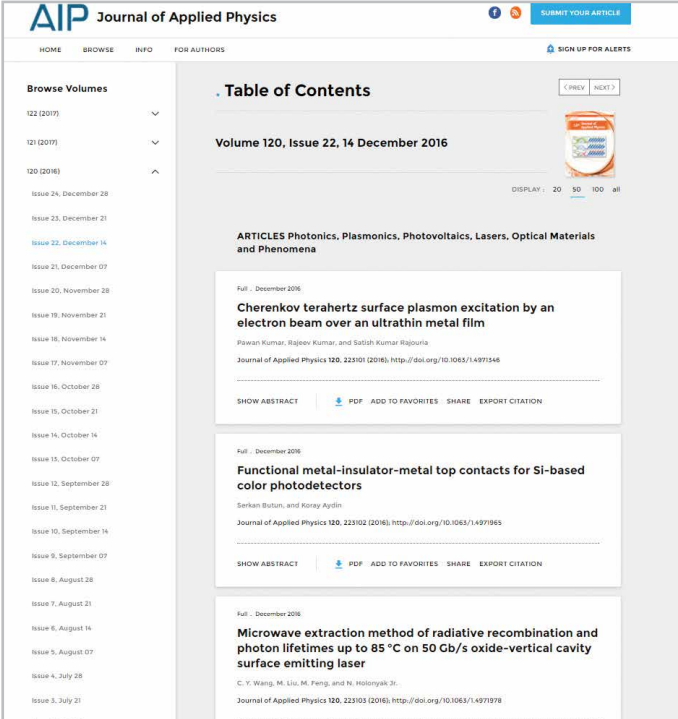
From the dropdown, select "citation" to run this search

Click here to search the journal page

The screenshot shows the top navigation bar of the AIP Journal of Applied Physics website. A search bar is highlighted with a yellow circle, and a dropdown menu is open, showing "Citation" selected. The search bar contains the text "Journal of Applied Physics". To the right of the search bar are input fields for "Year", "Volume", "Issue", and "Page". A magnifying glass icon is also present. Below the search bar, the AIP logo and the journal title "Journal of Applied Physics" are displayed. A "SUBMIT YOUR ARTICLE" button is visible on the right. The navigation menu includes "HOME", "BROWSE", "INFO", and "FOR AUTHORS". A "SIGN UP FOR ALERTS" button is located at the bottom right.

Citation search results

Search results will vary based on the information provided in the screen above.



The screenshot displays the "Table of Contents" page for Volume 120, Issue 22, 14 December 2016. The page features a sidebar on the left with "Browse Volumes" and a list of issues from 122 (2017) down to 2 (July 14). The main content area shows the "Table of Contents" for the current issue, including a "Table of Contents" section with "PREV" and "NEXT" buttons, a "Volume 120, Issue 22, 14 December 2016" header, and a "DISPLAY: 20 50 100 all" option. Below this, there are three article entries, each with a "Full" link, the article title, authors, and journal information. The first article is "Cherenkov terahertz surface plasmon excitation by an electron beam over an ultrathin metal film" by Pawan Kumar, Rajeev Kumar, and Satish Kumar Rajpuroja. The second article is "Functional metal-insulator-metal top contacts for Si-based color photodetectors" by Serkan Butun, and Koray Aydin. The third article is "Microwave extraction method of radiative recombination and photon lifetimes up to 85 °C on 50 Cb/s oxide-vertical cavity surface emitting laser" by C. Y. Wang, M. Liu, M. Peng, and N. Holonyak Jr.

Navigating a Journal's Homepage

With the improved layout on Scitation.org navigation has never been easier. Take a moment to explore a journal's homepage below.

From the navigation bar you can access:

- **“Home”** - navigate to the homepage by clicking here
- **“Browse”** - view Table of Contents
- **“Info”** - Overview, Editorial Board, News
- **“For Authors”** - Author resources on preparing a manuscript and submitting an article

View the Editor's latest article picks

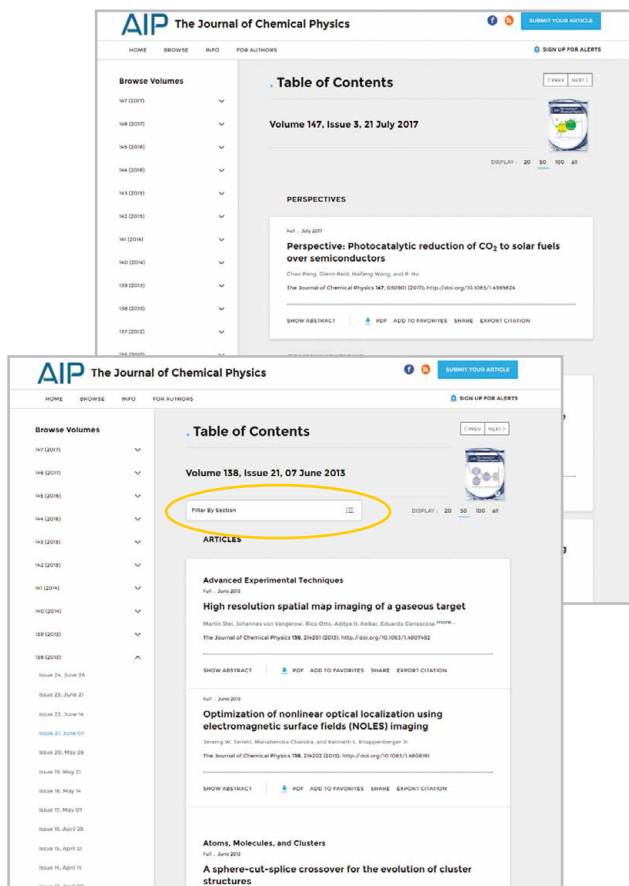
The screenshot shows the homepage of AIP The Journal of Chemical Physics. The navigation bar at the top includes links for HOME, BROWSE, INFO, and FOR AUTHORS. A 'SUBMIT YOUR ARTICLE' button is highlighted with a callout 'Submit your article'. A 'SIGN UP FOR ALERTS' button is highlighted with a callout 'Sign up for journal alerts'. The featured article is titled 'Toward chemical accuracy in the description of ion-water interactions through many-body representations. Alkali-water dimer potential energy surfaces'. Below this are four smaller article teasers: 'The mesoscopic membrane with proteins (MesM-P) model', 'Perspective: Photocatalytic reduction of CO₂ to solar fuels over semiconductors', 'Relation between CIDNP formed upon geminate and bulk recombination of radical pairs', and 'Ion association at discretely-charged dielectric interfaces: Giant charge inversion'. The 'Editor's Picks' section features three articles: 'Liquid-liquid phase transition in an ionic model of silica' (dated JUN 15 2017), 'Low-energy photoelectron transmission through aerosol overlayers' (dated JUN 15 2017), and 'Colloidal diffusion over a quasicrystalline-patterned surface' (dated JUN 07 2017). The 'Most Read' section features three articles: 'Stimulated Raman adiabatic passage: The status after 25 years' (dated NOV 05 2010), 'Benchmarks of electronically excited states: Basis set effects on CASPT2 results' (dated DEC 17 2010), and 'Calculations of the low-lying excited states of the TiO₂ molecule' (dated NOV 30 2010). A callout 'View the featured article from the latest issue' points to the featured article. Another callout 'Access “most read” articles' points to the 'Most Read' section.

Viewing the Table of Contents

After clicking on “Browse” you are brought to the current issue’s Table of Content (TOC) as well as links to previous issues. Here you are able to view, download, “add to favorites” or “share” your article of choice.

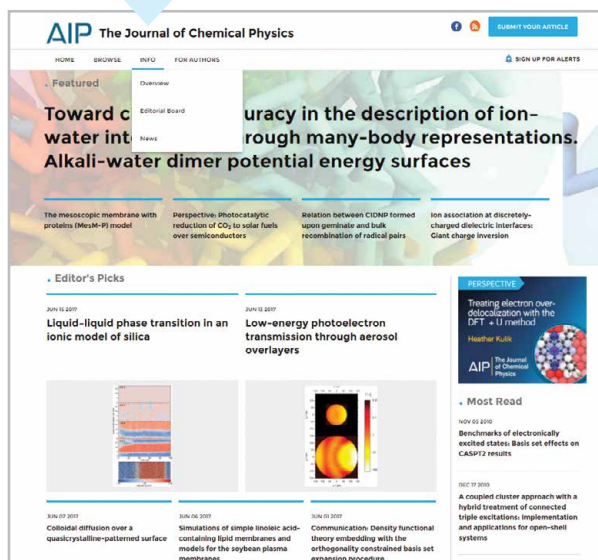
You are able to “filter by Section” on each Table of Content. This filter populates the sections and sub-sections within each TOC.

(Note: After filtering, if you move to another issue, the section filtering will be reset.)



“Info” and “For Authors”

learn about the journal, its editorial board, and the latest news



Your one stop for information on publishing a manuscript



Accessing an Article

Institutional customers access content via registered IP ranges. If you try to view content from an unauthorized IP address, you will be asked to select your method of access as shown here.

If you do not have access through your institution, you have the option to log in as an individual subscriber, purchase 7-day access to the article, or view the article via Open Athens or Shibboleth.

Alternatively, you can always “recommend an article” to your librarian by clicking on “Share” -> “Recommended to Librarians”

The screenshot shows the 'SELECT YOUR ACCESS' section of the article page. It includes three main options: Individual Access (with a login form), Institutional Access (with links for Open Athens and Shibboleth), and Purchase (7 days access for \$30.00). A 'SHARE' button is also visible at the top right.

Viewing an Article

Users accessing articles through their institution (IP authenticated) have the ability to do so without creating a profile. However to benefit from all tools available we encourage users to create a profile. From an article, users can:

- Save searches
- Sign up for RSS feeds
- Download an article as a PDF
- Sign up for journal alerts
- View author affiliations
- View and download article citations
- Add to your “favorites”
- “Share” the article with peers
- View article metrics
- Access related articles

Most articles are accessible as HTML or PDF. If only one format is available, the navigation bar will be updated to reflect the version offered. If available, supplemental information will be noted in the navigation bar in line with “cited by”.

Article Figures

Designed to allow you to explore the graphs, charts and images included in each article. Figures are downloaded directly to a PowerPoint presentation and includes citation data.

The screenshot shows the article page for 'Highly accurate potential energy surface, dipole moment surface, rovibrational energy levels, and infrared line list for $^{32}\text{S}^{16}\text{O}_2$ up to 8000 cm^{-1} '. The abstract describes the refinement of the Ames-I PES and the resulting infrared line list. A figure (FIG. 1) is shown, plotting the accuracy of the Ames-I PES for $^{32}\text{S}^{16}\text{O}_2$ and $^{34}\text{S}^{16}\text{O}_2$ band origins. The figure shows a scatter plot of $\Delta E / \text{cm}^{-1}$ versus Band Origins / cm^{-1} . The legend indicates: $^{32}\text{S}^{16}\text{O}_2$ with a mean error of $-0.0032 \pm 0.0186\text{ cm}^{-1}$ and $^{34}\text{S}^{16}\text{O}_2$ with a mean error of $0.0016 \pm 0.0212\text{ cm}^{-1}$.

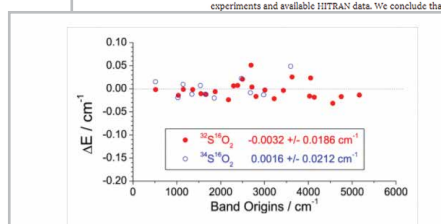


FIG. 1. Accuracy of Ames-I PES. $^{32}\text{S}^{16}\text{O}_2$ and $^{34}\text{S}^{16}\text{O}_2$ band origins.

High-resolution

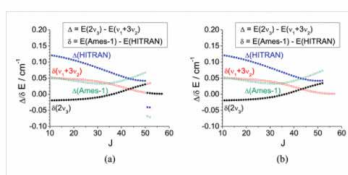


FIG. 2. New Assignment for $J > 50$, $K_a = 11$ levels of $v_3=3v_2$ and $2v_2$ levels (a) with current HITRAN band names and (b) with exchanged band names.

High-resolution

Article Citations & Tools

When available, article citations can be viewed (click “cited by”) and downloaded (click “tools” and then “download citation”).

When viewing the available “click tools”, users can add the current article to their “favorites” and view details about “reprints and permissions.”

The screenshot shows the article page for "Highly accurate potential energy surface, dipole moment surface, rovibrational energy levels, and infrared line list for $^{32}\text{S}^{16}\text{O}_2$ up to 8000 cm^{-1} ". The "CITED BY" section lists three references. The "TOOLS" dropdown menu is highlighted with a yellow circle, showing options: "Download Citation", "Add To Favorites", and "Reprints And Permissions".

Article Metrics

As articles receive “views” and “citations” they will be calculated and updated daily under “article metrics”.

(Note: article metrics on Scitation.org are cumulative since 12/13/2016)

The screenshot shows the "Article Metrics" section with two circular gauges: "Views" at 43 and "Citations" at 15. The "Metrics" link in the navigation bar is highlighted with a yellow circle.

Related Articles

When reaching the bottom of an HTML article, a list of “related articles” will appear at the top of the screen in the rolling navigation bar.

The screenshot shows a horizontal navigation bar titled "RELATED ARTICLES" with four article thumbnails. The thumbnails include titles like "Potential energy surface of HDO up to 25000 cm^{-1} to 125000 cm^{-1} from 9 dB..." and "Highly accurate potential energy surface for the H_2 dimer".

Sharing an Article

Click on the share button to share an article via email, social media or to recommend an article to your librarian.

The screenshot shows the article page with the "SHARE" dropdown menu highlighted by a yellow circle. The menu options include "E-mail", "Facebook", "LinkedIn", "Recommended To Librarians", and "Twitter".



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