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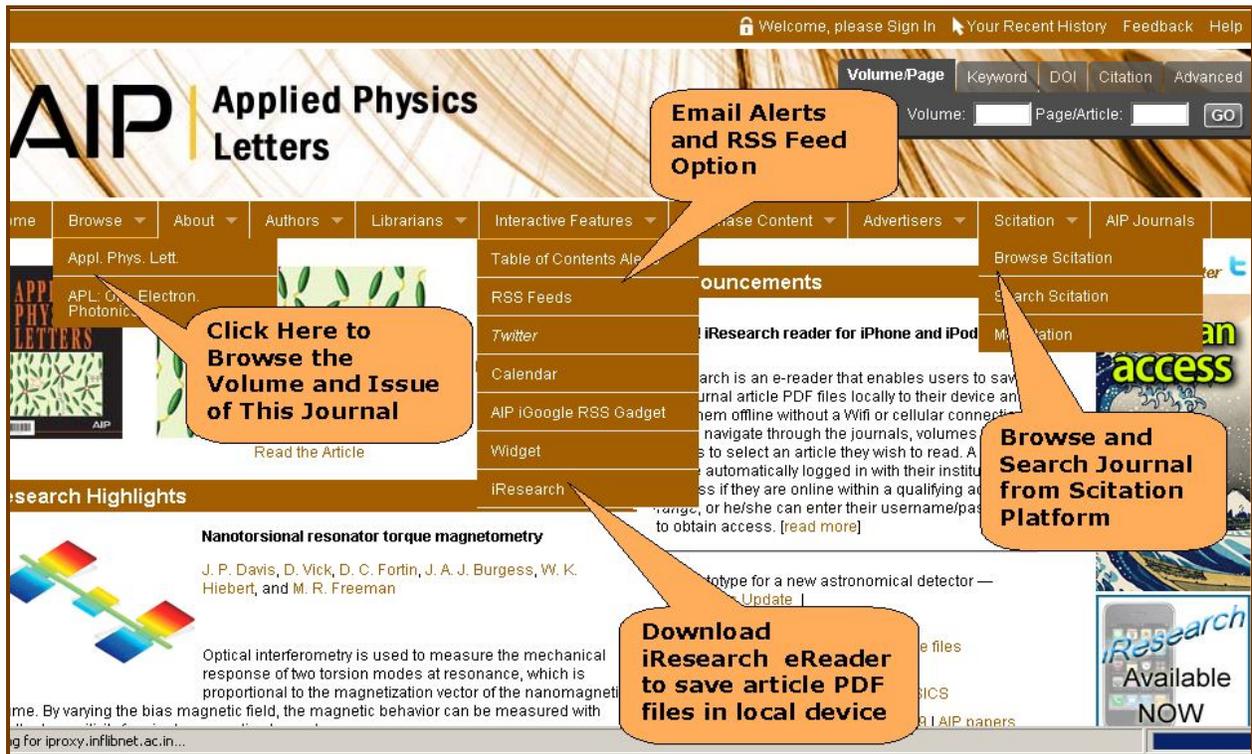
Accessible to: 118 Univ.

Coverage: all volumes

Browse

The homepage of AIP contains link of all their journals. Click on journal of interest to view the homepage of that journal. For example: click on **Applied Physics Letters**.

Screen shot given below displays home page of journal Applied Physics Letters. Click on **“Browse”** tab on menu bar to browse particular volume and issue of this journal. User can also browse all journals of AIP through Scitation platform by clicking on **“Browse Scitation”** option under Scitation tab on Menu bar.



After clicking on “Browse” tab on Menu bar, a user will be given “browse volumes” option on left-side navigation pan. Select volume and then issue to view table of contents of that issue. Users can also browse specific article using Volume/Article lookup at top of every page.

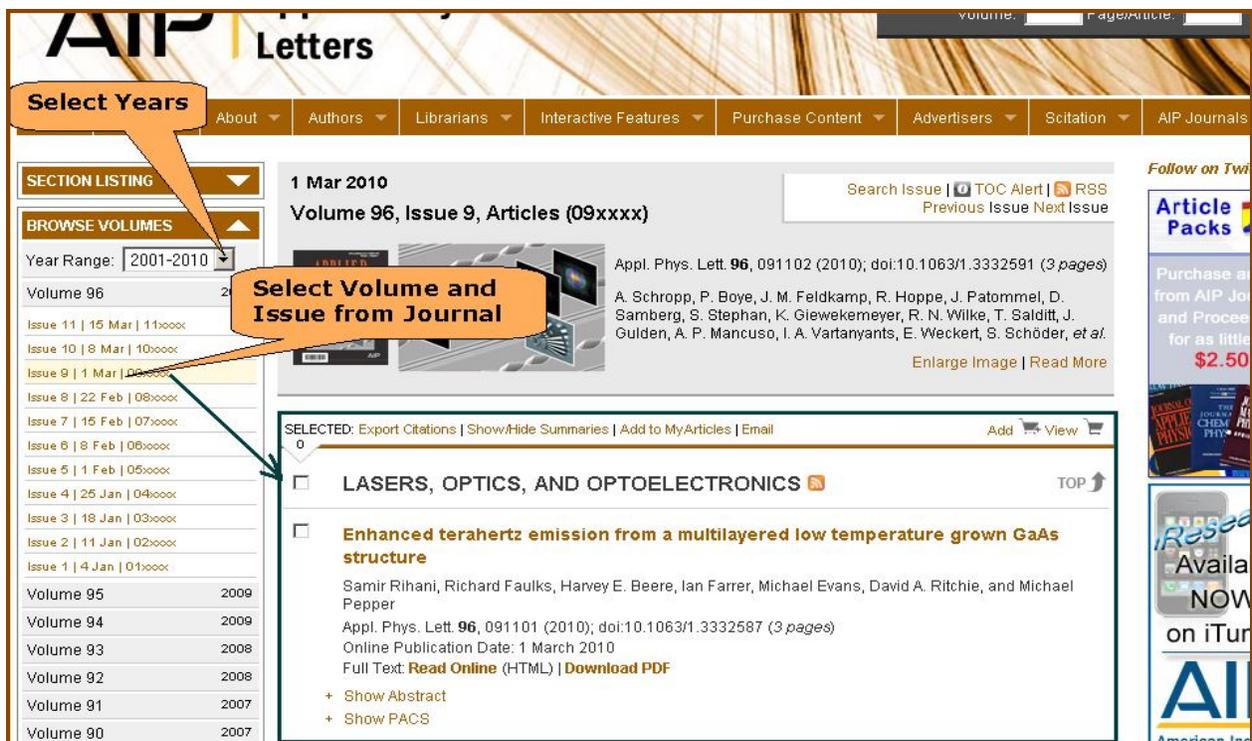


Table of Content page provides options to download full-text of article in desired format. Click on “Read Online” option to view full-text of articles in “HTML” format and click on “Download PDF” to download the full-text of articles in “PDF” format. Researchers can use

“Add to MyArticle” option to save links to their favorite articles and make their own portal for research and content discovery. It also provides options to set up email alert, read RSS feeds and export the citations in desirable format.

The screenshot displays the AIP Applied Physics Letters website. At the top, there is a navigation bar with links for 'Sign In', 'Your Recent History', 'View Cart', 'Feedback', and 'Help'. Below this is a search bar with fields for 'Volume/Page', 'Keyword', 'DOI', 'Citation', and 'Advanced', along with a 'GO' button. The main content area shows the journal title 'AIP Applied Physics Letters' and a list of articles. A specific article is highlighted: 'Enhanced terahertz emission from a multilayered low temperature grown GaAs structure' by Samir Rihani, Richard Faulks, Harvey E. Beere, Ian Farrer, Michael Evans, David A. Ritchie, and Michael Pepper. The article's DOI is 10.1063/1.3332587. The interface includes options to 'Export Citations', 'Personalize Your Favorite Articles', 'Set up Email Alerts', and 'Download Full-text in HTML / PDF Format'. A sidebar on the left shows a 'BROWSE VOLUMES' section with a list of volumes from 2010 to 2013. A sidebar on the right features an advertisement for 'HIDEN ANALYTICAL' and a 'Most Cited Research' banner.

Full-text of an article in PDF format is displayed below as screen shot. User can save, print and send email of the article.

The screenshot shows a PDF document viewer displaying the full-text of an article. The article title is 'Extended conjugation and donor-acceptor substitution to improve the third-order optical nonlinearity of small molecules'. The authors are Joshua C. May and Ivan Biaggio. The abstract discusses the use of donor-acceptor substitution to increase the third-order polarizability of small cyanoethynylethene molecules. The full-text of the article is visible, including the introduction and the first part of the discussion. The PDF viewer interface includes a toolbar at the top with options like 'Save a Copy', 'Print', and 'Select Text', and a sidebar on the left with 'Downloads', 'Signatures', 'Layers', and 'Pages'.

Search

Homepage of the specific journal provides following search options located at the top of every page.

1. Volume/Page Lookup Box

Volume / Page lookup Box is used to browse a specific article:

- Enter the volume number of a journal in the first text entry box;
- Enter the unique article number provided by AIP to all their articles in the next entry box; and
- Click on **Go** button to run a search query.

The screenshot shows the AIP Applied Physics Letters homepage. At the top right, there is a search bar with tabs for 'Volume/Page', 'Keyword', 'DOI', 'Citation', and 'Advanced'. The 'Volume/Page' tab is selected, showing input fields for 'Volume: 102' and 'Page/Article: 221101', followed by a 'GO' button. Below the search bar is a navigation menu with options like Home, Browse, About, Authors, Librarians, Features, Purchase Content, Advertisers, Citation, and AIP Journals. A banner for 'Applied Physics Letters / Volume 102 / Issue 22 / PHOTONICS AND OPTOELECTRONICS' is visible, along with a 'Volume/Page Lookup Box' label. A 'FULL-TEXT OPTIONS' box offers 'Read Online (HTML)', 'Download PDF', and 'Permissions / Reprints'. An advertisement for 'Ground loops hard to find? Find them fast with the' is on the right. The main article title is 'High order sideband generation in terahertz' by P. Cavalle, J. Freeman, K. Maussang, E. Strupiechonski, G. Xu, R. Colombelli, L. Li, A. G. Davies, E. H. Linfield, J. Tignon, and S. S. Dhillon.

2. Keyword Search

Keyword Search provides options to search from all AIP Journals, Scitations, PubMed and Google Scholar. Enter keyword in text entry box and select appropriate database. Click on **Go** button to run a search query.

The screenshot shows the AIP Applied Physics Letters homepage with the 'Keyword' search tab selected. The search bar contains the keyword 'quantum physics' and a dropdown menu set to 'Peer-reviewed'. A 'GO' button is next to it. Below the search bar, a navigation menu is visible. A message states 'You searched 'quantum physics' in Full Bibliographic Record within Appl. Phys. Lett.'. Below this, there are options for 'New Search', 'Launch SciMapper', 'RSS', and 'Sort Results: Most Recent'. A 'Display 25 per page' option is also present. The 'Refine Search Criteria' section shows 'quantum physics' in the search box and 'Full Bibliographic Record' selected. The search results display 'Displaying records 1 to 25 of about 33863 found, out of 101738.' The first result is 'Carrier density dependence of polarization switching characteristics of light emission in deep-ultraviolet AlGaIn quantum well structures' by Seung-Hwan Park and Jong-In Shim, published in Appl. Phys. Lett. 102, 221109 (2013). The result includes options for 'Full Text: Read Online (HTML) | Download PDF', 'Show Summary', and 'Show PACS'. An advertisement for 'University WAFER.com' is on the right.

3. DOI Search

DOI Search can be used to direct search specific article. Enter DOI number and click on **Go** to access specific article.

Sign In View Cart Feedback Help

Volume/Page Keyword DOI Citation Advanced

article doi: 10.1063/1.3340939 GO

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Appl. Phys. Lett. 96, 091104 (2010); <http://dx.doi.org/10.1063/1.3340939> (3 pages)

Stable temperature characteristics of InGaN blue light emitting diodes using AlGaIn/GaN/InGaIn superlattices as electron blocking layer

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4. Citation Search

Citation is used to search articles in quick and easy ways. Enter citation and click on **Go** to access specific article.

Sign In Your Recent History View Cart Feedback Help

Volume/Page Keyword DOI Citation Advanced

Citation: Appl. Phys. Lett. 96, 091501 (2010) GO

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Applied Physics Letters / Volume 96 / Issue 9 / PLASMAS AND ELECTRICAL DISCHARGES Previous Article | Next Article

Appl. Phys. Lett. 96, 091501 (2010); <http://dx.doi.org/10.1063/1.3327800> (3 pages)

The influence of impurities on the performance of the dielectric barrier discharge

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5. Advanced Search

Advanced Search can be used to search within certain fields such as abstract, journal title, article title, keywords, author etc. It provides various options to restrict the search. User can restrict their search by journal, volume issue range and date range from left side navigation pan. Select "Search Suggestions" option by clicking on check box to get other keyword suggestions related to the search term.

Topic Explorer

Topic Explorer allows user to view top ten most prolific authors of papers as well as top ten most-assigned keywords under the selected topic. Click on any of the author or keyword to view their articles which can further be refined.

Search Across Journals (Scitation + Pubmed / Medline)

Search on Scitation

AIP journals homepage provides link for Scitation search. Click on Scitation Search under Scitation button on menu bar to search on scitation platform. Search on Scitation provides access to bibliographic records and abstract of more than one million articles from scholarly journals, magazines, conference proceedings and other special publications published by several prestigious scientific and technical organizations.

Pubmed / Medline

AIP journal homepage also provides link for search in Pubmed / Medline database.

The screenshot shows the Scitation search interface. At the top, there is a search bar with the text "enter search here..." and a search icon. Below the search bar, there are navigation links: "Browse", "Search Scitation", "For Users", "For Librarians", "For Partners", and "News". The main search area is titled "Standard Search | Advanced Search" and includes a dropdown menu for "Select Database Name from which You Want to Search" with options for "Scitation" and "PubMed®/MEDLINE®". A search term "Nanotechnology" is entered in the search box. Below the search box, there are options for "ANC" and "Hitlist Sorting Options" (set to "Show Most Recent First") and "Records Per Page" (set to "25"). A dropdown menu for "Select Search Area" is open, showing options like "Full Bibliographic Record", "Abstract/Title/Keywords", "Author", "Affiliation", "Abstract", "Title", "Keywords", "Section Head", "Journal or CODEN", "PACS Code or Text", "Cited Author", and "Collaboration". Below the search options, there are fields for "Publication Date Range" and "Volume/Issue Range". At the bottom, there are "Search" and "Reset" buttons, and a section titled "TIPS & EXAMPLES" with examples of search terms and their results.

Annotations on the screenshot include:

- "Select Database Name from which You Want to Search" pointing to the database selection dropdown.
- "Enter Search Term" pointing to the search input field.
- "Select Search Area" pointing to the search options dropdown.
- "Searching Tips with Examples" pointing to the "TIPS & EXAMPLES" section.

TIPS & EXAMPLES

Searching for ... Returns records containing:

TiO[sub 2] or TiO [sub2]	TiO ₂
and	Tb ³⁺
Tb[sup 3+]	

perturbation any word for which *perturb* is the stem, such as "perturbs", "perturbing", "perturbation", etc.

Muller Muller or Müller but not Mueller (use **Mu*ller** for all three)