

Database Training Course

■ Session overview

[1] Locating a specific journal article:

The University of Tokyo OPAC (Example 1)

[2] Searching for articles on a subject:

Web of Science (Example 2)

Engineering Village (Example 3)

CiNii Articles (for articles in Japanese)

[3] How to access databases and E-journals from home:

SSL-VPN Gateway Service

■ Distributed materials

- Research on the Internet
- Database Training Course (=this sheet)
- Leaflets "Hints on locating documents"①~④
- Leaflet "Things you can do with your ECCS account"
- Web of Science Quick Reference Card

■ Portal site to the databases used in this training session

⇒ [Libraries for Engineering and Information Science & Technology](http://park.itc.u-tokyo.ac.jp/cllib/index_e.html)

http://park.itc.u-tokyo.ac.jp/cllib/index_e.html

The image shows two overlapping web pages. On the left is the University of Tokyo library website (東京大学工学・情報理工学図書館). On the right is the GACoS (Gateway to Academic Contents System) portal. A red arrow points from the 'Find Databases' link on the library site to the GACoS portal. A callout box explains that GACoS stands for Gateway to Academic Contents System.

Academic Information Literacy Section, Information Technology Group, the University of Tokyo
Email literacy@lib.u-tokyo.ac.jp

Log in MyOPAC

By using OPAC while logged into MyOPAC, the following services become available:

- Books located in your campus library are listed first.
- A button for requesting delivery is displayed on the OPAC search results page.
- Bookmarks can be made to save OPAC search results as links.

etc.

How to log in MyOPAC

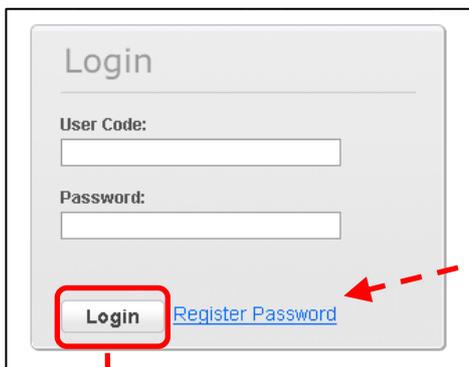
The University of Tokyo OPAC

【Off-campus access provided】

<https://opac.dl.itc.u-tokyo.ac.jp/>



Click to go to the MyOPAC log-in page.

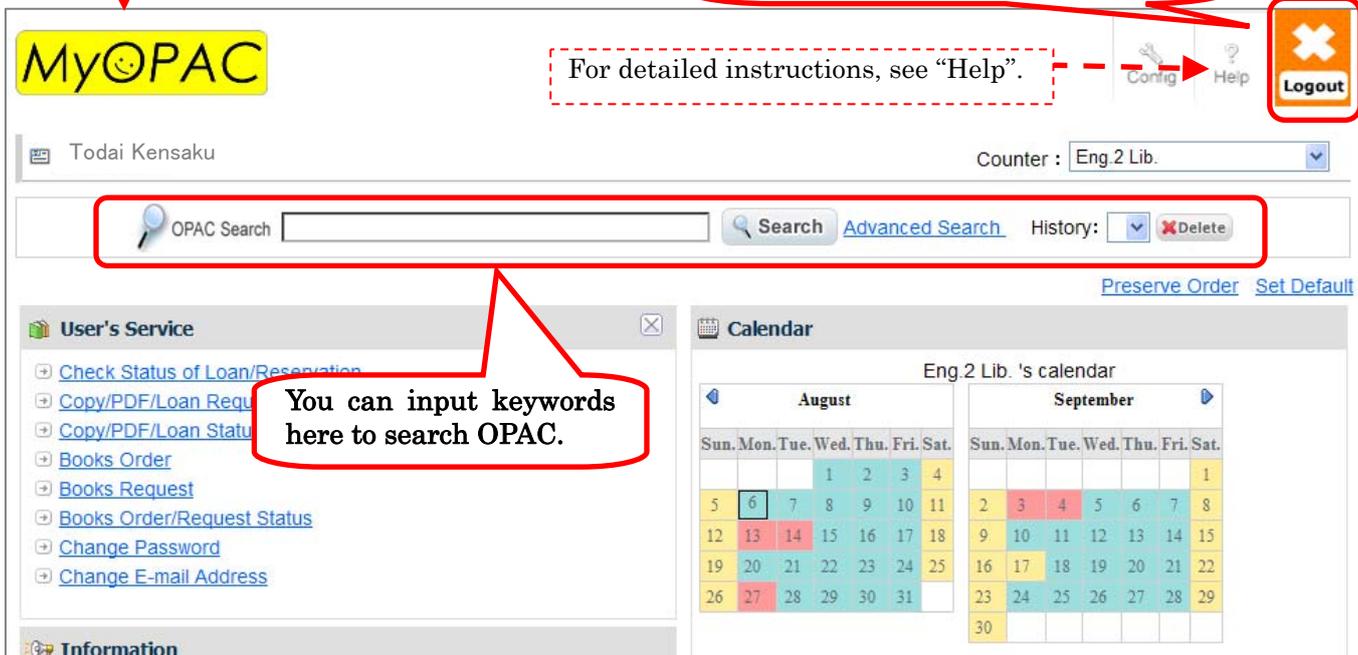


The user code is the last 10 digits of the serial number printed on student or staff ID cards.
 *If you are experiencing difficulty logging in, please consult with your department library.

You can log in to MyOPAC from off-campus as well.

Click here to register your password.

Finally, make sure to click "Logout!"
 Close the page with your search results from MyOPAC.



For detailed instructions, see "Help".

[1] Locating a specific journal article

Example 1 Let's search for this article cited in a bibliographical reference list.

Bagdahn, J.; Sharpe, WN. Fatigue of polycrystalline silicon under long-term cyclic loading.
 (Author of article) (Title of article)
Sensor. Actuat. A. Phys. 2003, 103(1-2), 9-15.
 (Title of journal) (Date) (vol. no.) (Page numbers)

■ Step 1: Finding articles with E-journals by using **UT OPAC**

- ① Enter the journal title, and click "Search".
- ② On the search results page, click the journal title.
- ③ Leads to the E-JOURNAL PORTAL page. Click the database name featuring this e-journal. (Pay attention to the publication date.)
- ④ The database homepage opens.
- ⑤ You can access the relevant volume/number or search for the article.
- ⑥ Click "PDF" and view the full text of the article.

See: "Hints on locating Documents ③"

(This page is displayed after logging in to MyOPAC)



【Note】
Search by the journal title, not article title.

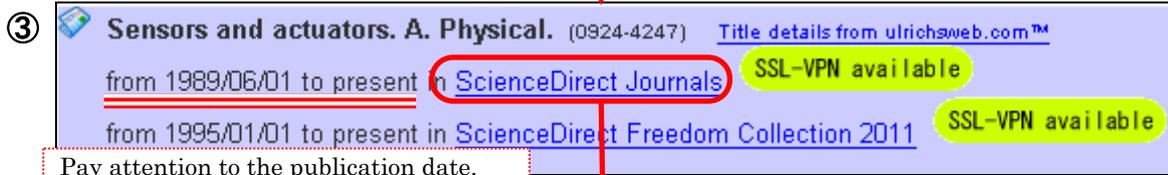
【Hints】 Abbreviated forms can be entered as they are.

【OPAC search results page】 (Select a journal name with "E-Journal" displayed below.)



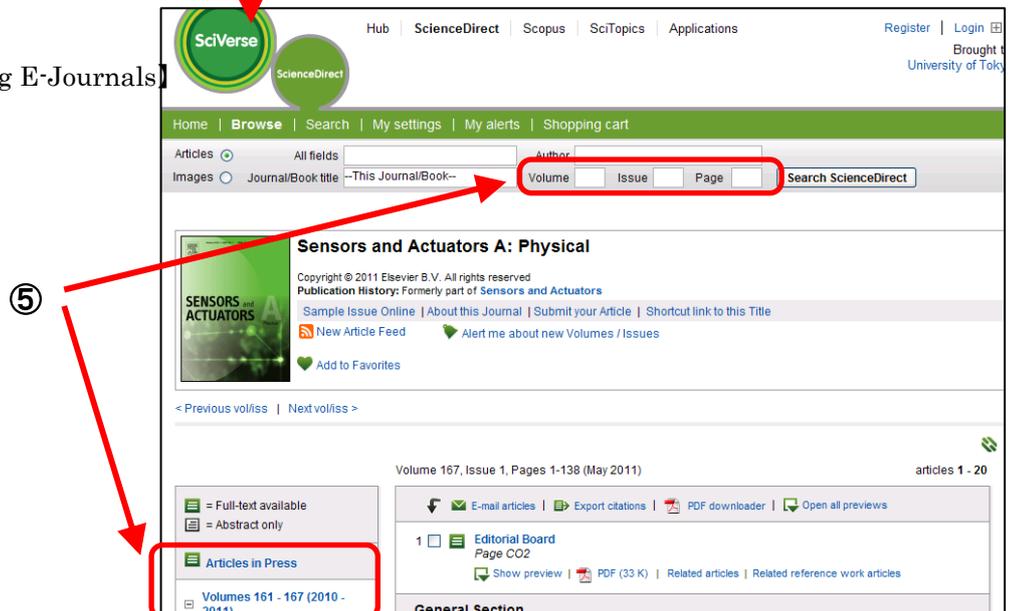
【Hints】
Setting the left-hand "Refine Your Search" to "E-Journal" is effective in refining the search.

【E-JOURNAL PORTAL search results page】



Pay attention to the publication date.

④ **【Publisher websites providing E-Journals】**



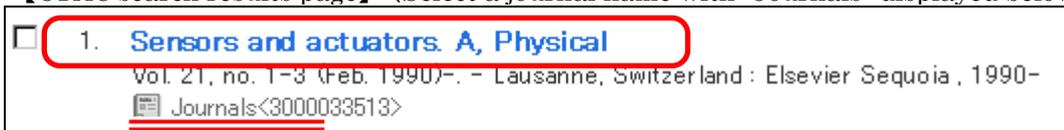
Step 2: When not available as an E-Journal
 ⇒ Search for paper journals by using **UT OPAC**

(This page is displayed after logging in to MyOPAC)



[Hints]
 Abbreviated forms can be entered as they are.

[OPAC search results page] (Select a journal name with "Journals" displayed below.)

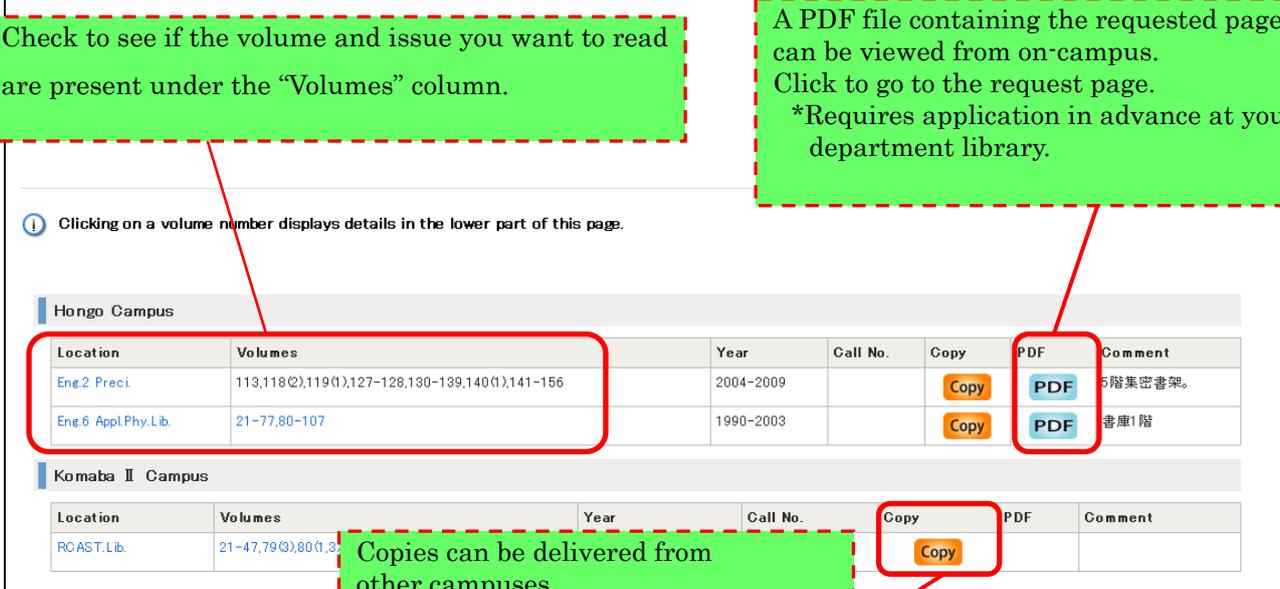


(When searching while logged into MyOPAC, the request buttons will be displayed.)



Check to see if the volume and issue you want to read are present under the "Volumes" column.

A PDF file containing the requested pages can be viewed from on-campus. Click to go to the request page. *Requires application in advance at your department library.



Copies can be delivered from other campuses. Click to go to the request page. *Requires application in advance at your department library.

Step 3: If it can not be found at the UT OPAC ⇒ Other Univ.



Titles or keywords can be abbreviated with asterisks. Insert a half-width space between words. At least two letters must come before the *.

[2] Searching for articles on a subject ① **Web of Science**

Example 2 Let's search for articles on **biomass gas engine**.

Web of Science

http://webofknowledge.com/ **[on-campus]**

https://gateway.itc.u-tokyo.ac.jp/ **[off-campus]** *ECCS account necessary

- ① Enter **biomass "gas engine*"** and click "search".
- ② The search results are displayed.
Search results can be analyzed, refined, and sorted as necessary.
- ③ Click on the title in the search results page.
- ④ View the full text of the article. (Or click UT Article Link button.)

① **biomass "gas engine*"**

Adding an asterisk (*) enables partial match retrieval.
Adding quotations marks (" ") enables a phrase search.
For more details, see Help>Search rules

Topic

(cf.) The other search pattern is: **biomass ("gas engine*" or "gas turbine*")**

In this way, search modifiers (and/or/not) can be included in lower-case letters.

Results: 47 Page 1 of 5 Go

Sort by: Times Cited -- highest to lowest

Refine Results

Search within results for

Web of Science Categories

- ENERGY FUELS (38)
- ENGINEERING CHEMICAL (14)
- THERMODYNAMICS (11)
- AGRICULTURAL ENGINEERING (8)
- BIOTECHNOLOGY APPLIED MICROBIOLOGY (8)

Document Types

- ARTICLE (42)

1. Title: **Energy production from biomass (part 1): overview of biomass**
Author(s): McKendry, P
Source: BIORESOURCE TECHNOLOGY Volume: 83 Issue: 1 Pages: 37-46 Article Number: PII S0960-8524(01)00118-3 DOI: 10.1016/S0960-8524(01)00118-3 Published: MAY 2002 Times Cited: 424 (from Web of Science)

2. Title: **Energy production from biomass (part 2): conversion technologies**
Author(s): McKendry, P
Source: BIORESOURCE TECHNOLOGY Volume: 83 Issue: 1 Pages: 47-54 Article Number: PII S0960-8524(01)00119-5 DOI: 10.1016/S0960-8524(01)00119-5 Published: MAY 2002 Times Cited: 234 (from Web of Science)

4. Full Text UT Article Link

Save to: ENDNOTE WEB ENDNOTE RefWorks

Energy production from **biomass** (part 1): overview of **biomass**

Author(s): McKendry, P (McKendry, P)

Source: BIORESOURCE TECHNOLOGY Volume: 83 Issue: 1 Pages: 37-46 Article Number: PII S0960-8524(01)00118-3 DOI: 10.1016/S0960-8524(01)00118-3 Published: MAY 2002

Times Cited: 424 (from Web of Science)

Cited References: 11 [view related records] Citation Map

Abstract: The use of renewable energy sources is becoming increasingly necessary, if we are to achieve the changes required to address the impacts of global warming. **Biomass** is the most common form of renewable energy, "widely used in the third world but until recently, less so in the Western world. Latterly much attention has been focused on identifying suitable **biomass** species, which can provide high-energy outputs, to replace conventional fossil fuel energy sources. The type of **biomass** required is largely determined by the energy conversion process and the form in which the energy is required. In the first of three papers, the background to **biomass** production (in a European climate) and plant properties is examined. In the second paper, energy conversion technologies are reviewed, with emphasis on the production of a gaseous fuel to supplement the gas derived from the landfilling of organic wastes (landfill gas) and used in **gas engines** to generate electricity. The potential of a restored landfill site to act as a **biomass** source, providing fuel to supplement landfill gas power production from purpose gasification technologies and

Accession Number: WOS:000118300000001

Document Type: Review

Language: English

Author Keywords: **biomass**; gasification; landfill; electricity; **gas engines**

Reprint Address: McKendry, P (reprint author), Green Acre, Dark Lane, Bristol BS40 8QD, Avon, England.

Addresses: 1. Appl Environm Res Ctr Ltd, Colchester C05 9ES, Essex, England

Times Cited: 445

Create Citation Alert

This article has been cited 445 times in Web of Knowledge.

Menon, Vishnu. Trends in bioconversion of lignocellulose: Biofuels, platform chemicals & biorefinery concept. PROGRESS IN ENERGY AND COMBUSTION SCIENCE, AUG 2012.

Zhu, J. Y. Conceptual net energy output for biofuel production from lignocellulosic biomass through biorefining. PROGRESS IN ENERGY AND COMBUSTION SCIENCE, AUG 2012.

Carneiro, Patricia. The economic, environmental and strategic value of biomass. RENEWABLE ENERGY, AUG 2012.

[view all 445 citing articles]

Related Records: Find similar Web of Knowledge records based on shared references. [view related records]

Cited References: 11

Save to bibliographic tools

Times Cited: How many articles cite this article
Related Records: Articles based on shared references
Cited References: Bibliography of this article

◆ If there is no Full Text button, we can search from UT Article Link.

Title: **Olivine or dolomite as in-bed additive in biomass gasification with air in a fluidized bed: Which is better?**
 Author(s): Corella, J; Toledo, JM; Padilla, R
 Source: ENERGY & FUELS Volume: 18 Issue: 3 Pages: 713-720 DOI: 10.1021/ef0340918
 Published: MAY-JUN 2004
 Times Cited: 72 (from Web of Science)

Hints on locating documents②

[UT ArticleLink](#) [[View abstract](#)]

University of Tokyo Article Link
 東京大学 学術論文リンク

お探しの論文の全文、または関連のある情報源へご案内します

2分でわかる この画面の使い方 | Learn how to use this page in 2 minutes | 学外アクセスはこちら SSL-VPN Gateway

電子ジャーナル利用上の注意 | GACoS | Library Home Page

論文情報 / Search Criteria [修正して再検索 / Refine or alter criteria](#)

Article: Olivine or Dolomite as In-Bed Additive in Biomass Gasification with Air in a Fluidized Bed: Which Is Better?
 Author: Corella, Jose
 Journal: Energy & fuels
 ISSN: 0887-0624 Date: 2004
 Volume: 18 Issue: 3 Page: 713
 DOI: 10.1021/ef0340918

電子ジャーナルへのリンク / Full Text via Online

Coverage Range	Links to content	Resource
1996 - present	Article	Journal American Chemical Society Web Editions

Try doi.org for full-text [Article](#) 10.1021/ef0340918

電子ジャーナルへのリンクがない場合はこちらへ / Additional Options for finding Full Text
 冊子の所蔵を調べる / Search OPAC (Library Catalog) [By ISSN / ISBN](#) [By Journal / Book Title](#)
 論文のコピーを入手する / Get a Photocopy [文献複写を申込む](#) [Interlibrary Loan Request](#)

Full Text via Online

- Article: link to full-text
- Journal: link to e-journal homepage
- Resource: link to database homepage

ACS Publications MOST TRUSTED, MOST CITED, MOST READ.

energy&fuels

Search Citation DOI

Energy Fuels All Publications/W

ACS Mobile is a mobile app for Android and Apple devices. Find out more

Article

Olivine or Dolomite as In-Bed Additive in Biomass Gasification with Air in a Fluidized Bed: Which Is Better?

Jose Corella,* Jose M. Toledo, and Rita Padilla
 Department of Chemical Engineering, University Complutense of Madrid (UCM), 28040 Madrid, Spain

Energy Fuels, 2004, 18 (3), pp 713-720
 DOI: 10.1021/ef0340918
 Publication Date (Web): April 9, 2004
 Copyright © 2004 American Chemical Society

Full Text HTML
 Hi-Res PDF [104 KB]
 PDF w/ Links [133 KB]

Click these links to view the full text of the article

【Advanced Information】

◆ Cited Reference Search

See p.3 of "Web of Science Quick Reference Card"

Example To find articles, cite the following article.

Shechtman D, Metallic phase with long-range orientational order and no translational symmetry. *Phys. rev. lett.* 1984; 53(20):1951-1953.

- ① Click Cited Reference Search.
- ② Enter the author name, journal title and published year.
- ③ Click Search button.
- ④ Select the article, click Finish Search button.
- ⑤ The search results are displayed.

Web of Science®

Cited Reference Search (Find the articles that cite a person's work)

Step 1: Enter information about the cited work. Fields are combined with the Boolean AND operator.

* Note: Entering the title, volume, issue, or page in combination with other fields may reduce the number of cited ref

② shechtman d* in Cited Author

Example: O'Brian C* OR OBrian C*

phys* rev* lett* in Cited Work

Example: J Comp* Appl* Math* (journal abbreviation list)

1984 in Cited Year(s)

Example: 1943 or 1943-1945

Add Another Field >>

③ Search Clear Searches must be in English

Cited Reference Search (Find the articles that cite a person's work) [View our Cited Reference Search tutorial.](#)

Step 2: Select cited references and click "Finish Search."

Hint: Look for [cited reference variants](#) (sometimes different pages of the same article are cited or papers are cited incorrectly).

CITED REFERENCE INDEX
References: 1 - 29 of 29

◀◀ Page 1 of 1 Go ▶▶

Select Page Select All* Clear All Finish Search

Select	Cited Author	Cited Work [SHOW EXPANDED TITLES]	Year	Volume	Issue	Page	Identifier	Citing Articles **	View Record
<input checked="" type="checkbox"/>	SHECHTMAN D	PHYS REV LETT	1984	259		53		2	
<input checked="" type="checkbox"/>	SHECHTMAN D	PHYS REV LETT	1984	62		1952		1	
<input checked="" type="checkbox"/>	SHECHTMAN D	PHYS REV LETT	1984	54		1951		1	
<input checked="" type="checkbox"/>	SHECHTMAN D	PHYS REV LETT	1984	53		999		1	
<input checked="" type="checkbox"/>	SHECHTMAN D	PHYS REV LETT	1984	53		1907		20	
<input checked="" type="checkbox"/>	SHECHTMAN D	PHYS REV LETT	1984	53		1931		11	
<input checked="" type="checkbox"/>	SHECHTMAN, D Ⓜ [Show all authors]	PHYS REV LETT	1984	53	20	1951	10.1103/PhysRevLett.53.1951	3309	View Record in Web of Science View Record in Derwent Innovations Index

④

[2] Searching for articles on a subject ② Engineering Village

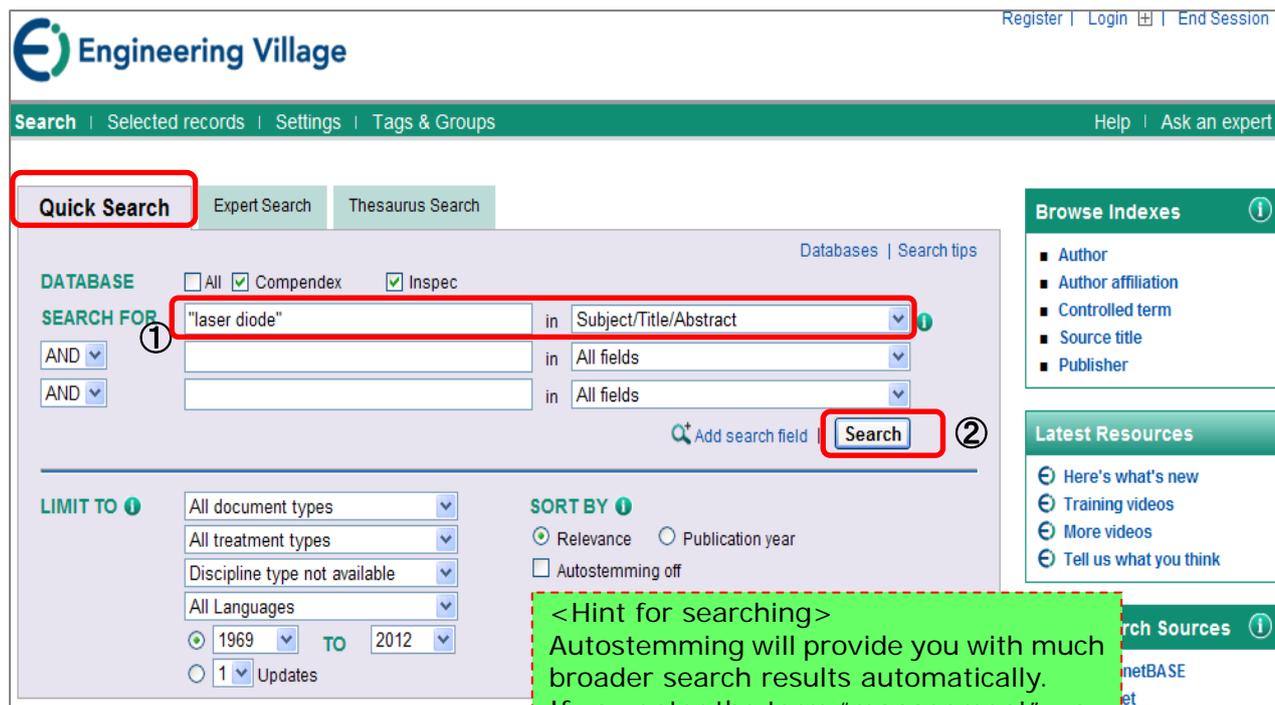
Example 3 Let's search for articles on **laser diode**.

Engineering Village

<http://www.engineeringvillage2.org/> 【on-campus】

<https://gateway.itc.u-tokyo.ac.jp/> 【off-campus】 *ECCS account necessary

- ① Select "Subject/Title/Abstract" field and enter "laser diode" in "Quick Search".
- ② Click the Search button.
- ③ The search results are displayed.



Register | Login | End Session

Search | Selected records | Settings | Tags & Groups Help | Ask an expert

Quick Search Expert Search Thesaurus Search

DATABASE All Compendex Inspec

SEARCH FOR "laser diode" in Subject/Title/Abstract

AND in All fields

AND in All fields

ADD search field Search

LIMIT TO All document types All treatment types Discipline type not available All Languages 1969 TO 2012 1 Updates

SORT BY Relevance Publication year Autostemming off

Browse Indexes

- Author
- Author affiliation
- Controlled term
- Source title
- Publisher

Latest Resources

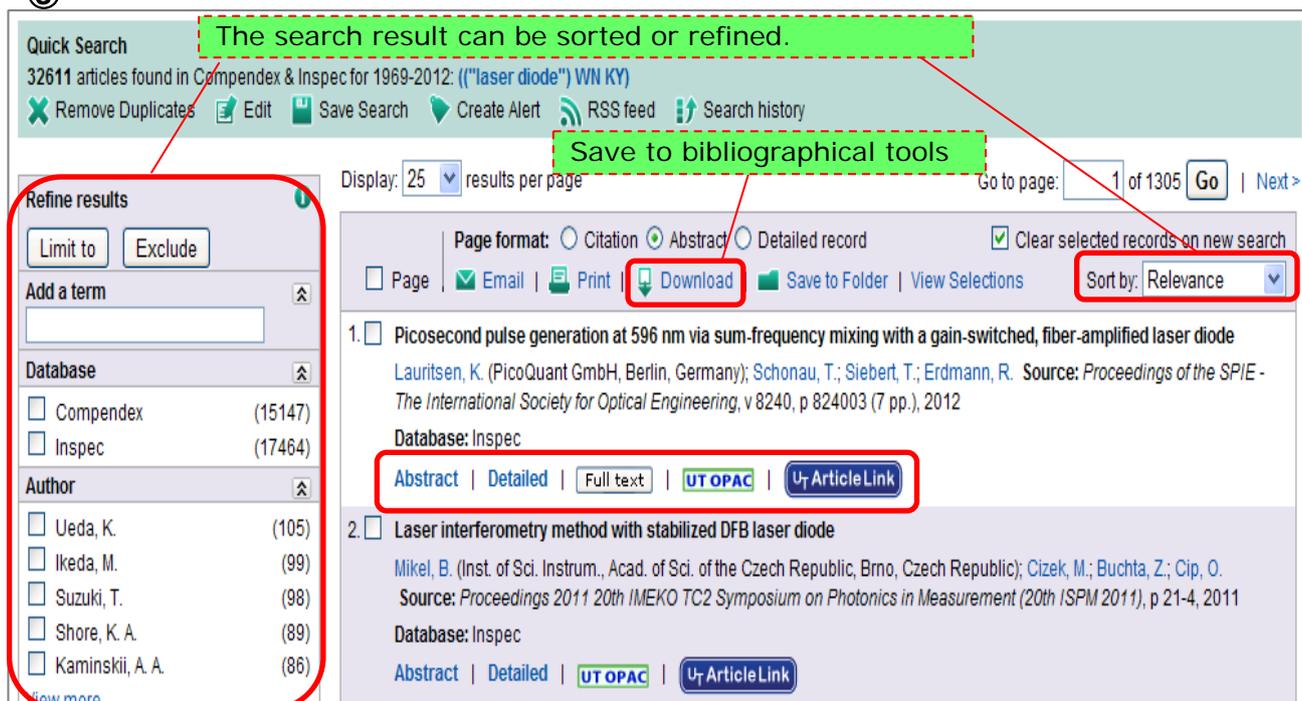
- Here's what's new
- Training videos
- More videos
- Tell us what you think

Search Sources

- netBASE
- et

<Hint for searching>
Autostemming will provide you with much broader search results automatically. If you enter the term "management", you will get results for manage, manager, managing, etc.

③



Quick Search

32611 articles found in Compendex & Inspec for 1969-2012: (("laser diode") WN KY)

Remove Duplicates Edit Save Search Create Alert RSS feed Search history

Display: 25 results per page Go to page: 1 of 1305 Go Next >

Page format: Citation Abstract Detailed record Clear selected records on new search

Page Email Print Download Save to Folder View Selections Sort by: Relevance

Refine results

Limit to Exclude

Add a term

Database

- Compendex (15147)
- Inspec (17464)

Author

- Ueda, K. (105)
- Ikeda, M. (99)
- Suzuki, T. (98)
- Shore, K. A. (89)
- Kaminskii, A. A. (86)

1. Picosecond pulse generation at 596 nm via sum-frequency mixing with a gain-switched, fiber-amplified laser diode
Lauritsen, K. (PicoQuant GmbH, Berlin, Germany); Schonau, T.; Siebert, T.; Erdmann, R. Source: *Proceedings of the SPIE - The International Society for Optical Engineering*, v 8240, p 824003 (7 pp.), 2012
Database: Inspec
Abstract | Detailed | Full text | UTOPAC | U7 ArticleLink

2. Laser interferometry method with stabilized DFB laser diode
Mikel, B. (Inst. of Sci. Instrum., Acad. of Sci. of the Czech Republic, Brno, Czech Republic); Cizek, M.; Buchta, Z.; Cip, O. Source: *Proceedings 2011 20th IMEKO TC2 Symposium on Photonics in Measurement (20th ISPM 2011)*, p 21-4, 2011
Database: Inspec
Abstract | Detailed | UTOPAC | U7 ArticleLink

The search result can be sorted or refined.

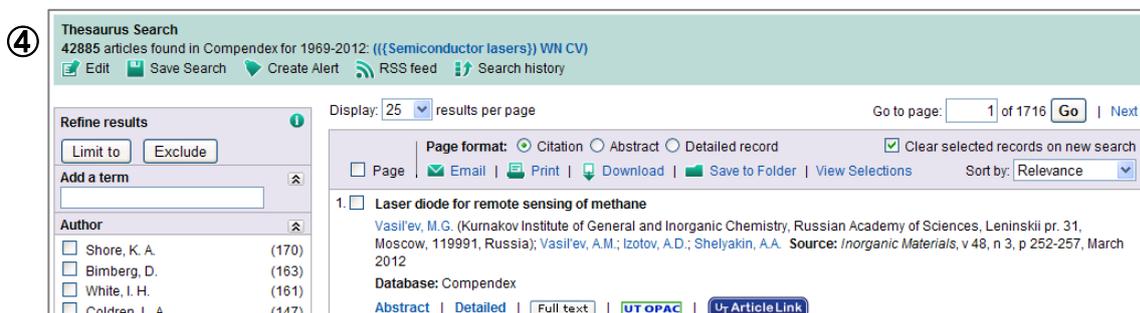
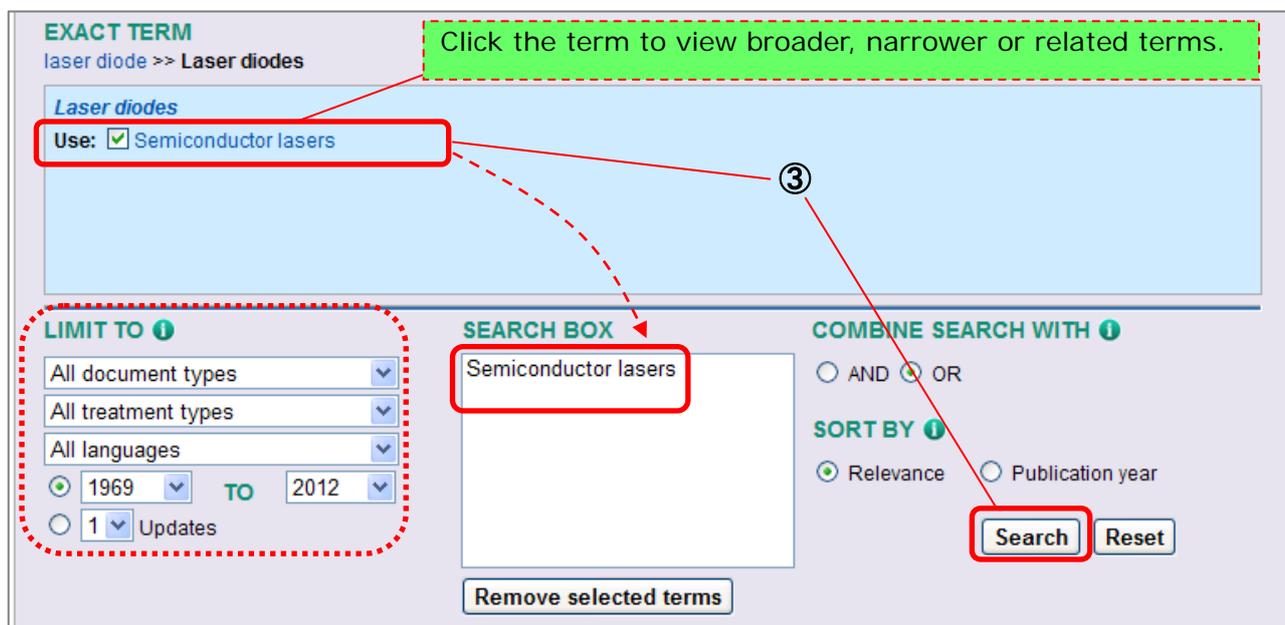
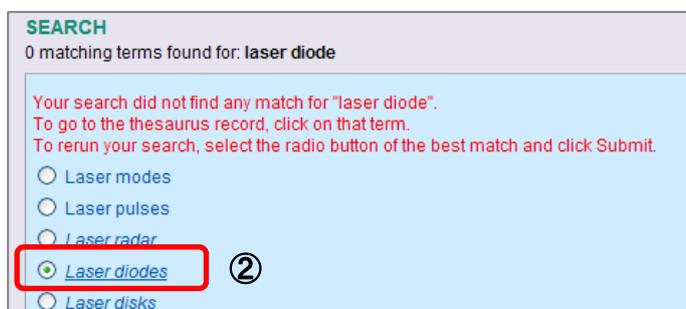
Save to bibliographical tools

【Advanced Information】

◆ Thesaurus Search

The thesauri are guides to the controlled vocabulary used in indexing articles. Indexers choose terms from the controlled vocabulary to describe the article they are indexing. The controlled vocabulary is used to standardize the way the articles are indexed. The thesauri are hierarchical in nature. Terms are organized by broader, narrower or related concepts.

- ① Enter **laser diode** in “Thesaurus” and click the Submit button.
- ② Click “Laser diodes” from listed terms.
- ③ Checking the Select box posts the associated term in the Search Box. Then you can search by the controlled term, “Semiconductor lasers”. Click the Search button.
- ④ The search results are displayed.



【2】 Searching for articles on a subject ③ CiNii

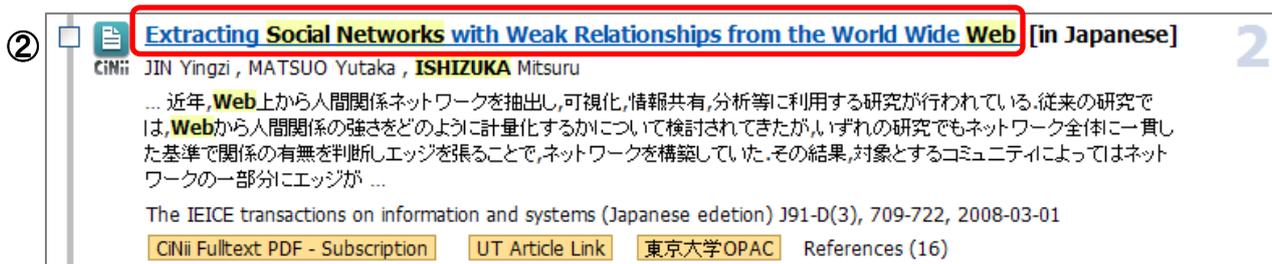
◆ Search for CiNii, when you would like to find academic articles published in Japanese academic society journals or Japanese university research bulletins.

CiNii Articles

<http://ci.nii.ac.jp/> 【on-campus】

<https://gateway.itc.u-tokyo.ac.jp/> 【off-campus】 *ECCS account necessary

- ① Enter terms and click the Search button.
- ② The search results are displayed.
- ③ Click on the title in the search results page.
- ④ Click  to view the full text of the article. (Or click UT Article Link button.)



③



* To view paid full text, Site License Individual ID is needed. For more information, see Help.

* If there is no PDF button, click UT Article Link.