

Inspec on Web of Knowledge

Accessing Inspec on Web of Knowledge

Access databases from the Library's Homepage: <http://www.utas.edu.au/library>. From here select Inspec from the Databases list or a specific Subject Guide.

Once in the Web of Knowledge interface:

- Select the Inspec database from the list in the left-hand frame or from the drop-down menu at the top
- Click on the General Search button on the next screen
- You will then see the General search interface page

Searching for references in Inspec

- Enter your search statement (use the Topic text box for keywords)
- Click on the Search button
- You will then see a list of brief citations.

The General Search interface for Inspec:

Type a search term or search statement in the "Topic" text box and click on the Search button. Place quotation marks around phrases otherwise AND is automatically added between terms.

Use the text boxes below to search in specific fields of records if you know the author, source title (journal name), address, etc.

Improve the relevance of your results by searching in the "Controlled Index" field. Search for the term in the INSPEC Thesaurus.

Remember the Help button is there when you need it!

Printing, Saving, Exporting, or E-mailing records

- Mark the citations that you want to print/save/export/e-mail
- Click on the Submit button (Marks must be submitted before moving to the next screen)
- Move to the next page and continue marking and submitting marks
- When all required records are marked, click on the Marked List button that appears at the top of the screen
- Select fields that you want to include (eg abstract, controlled terms etc.)
- Choose the appropriate button: Format for Print, Save to File, Export to Reference Software or E-mail

Editing searches

Click on the General Search button at the top of the screen to return to the Inspec search interface. Here you can edit the original search or enter new searches.

Once you have conducted two or more searches you can combine them using the Search History button. The Search History screen also allows you to save your search history to rerun manually.

Search Results – Summary page:

ISI Web of KnowledgeSM Inspec GO HOME LOG OUT

refine your results
[Classifications](#) | [Source Titles](#) | [Document Types](#) | [Authors](#) [more choices](#)

43 results found (Set #1) Go to Page: 1 of 5 GO
 Records 1 -- 10 Show 10 per page

Use the checkboxes to select records for output. See the sidebar for options.

<input type="checkbox"/>	1. Kitayama, M. A wavelet-based fast discrimination of transformer magnetizing inrush current Transactions of the Institute of Electrical Engineers of Japan, Part B vol.126-B, no.1 : 5-13, 2006
<input checked="" type="checkbox"/>	2. Heydon, R.G.; Gronowski, B.; Rungis, J.; et al. Condition monitoring of transformer oil 1998 International Conference on Power Electronics Drives and Energy Systems for Industrial Growth, 1-3 Dec. 1998, Perth, WA, Australia 1998 International Conference on Power Electronics Drives and Energy Systems for Industrial Growth (IEEE Cat. No.98TH8362) : (Vol.1) 249-53 Vol.1, 1998
<input type="checkbox"/>	3. Phillips, T. What does high efficiency really mean? [motor efficiency] Drives & Controls vol.20, no.7 : 36, July-Aug. 2004
<input type="checkbox"/>	4. Sun Yu-Jie; Li Xue-li; Ma Xian-guo Several methods of increasing circuits reliability Journal of Hebei University of Science and Technology vol.23, no.1 : 41-4, March 2002

Sort by: Latest date SORT

Analyze Results: ANALYZE
 View rankings of the authors, journals, etc. for these records.

Output Records:
 Selected records on page
 All records on page
 Records to Bibliographic Fields
 PRINT E-MAIL SAVE
 EXPORT TO REFERENCE SOFTWARE
 Or add them to the Marked List for later output and more options.
 ADD TO MARKED LIST [2 records marked]

Click on title link to view the full record

Mark records by ticking the box near the record number, selecting all of the records, or a range of record numbers. Submit the marked records by clicking the **Add to Marked List** button

Citation features

Inspec is linked to the Web of Science citation index. This means that some records will have citation links *if they are publications of major academic journals*. View the record in Web of Science to see: the reference list of the record; the references that have cited the record since its publication; and the references that have one or more references in common with the record displayed.

An Inspec full record:

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Full Record

Record 1 of 43 (Set #1) SUMMARY

Accession Number: 8892694
 Document type: Journal Paper
 Title: A wavelet-based fast discrimination of transformer magnetizing inrush current
 Author(s): [Kitayama, M.](#)
 Source: Transactions of the Institute of Electrical Engineers of Japan, Part B vol.126-B, no.1 : 5-13, 2006
 Language: Japanese
 Treatment: Practical, Theoretical or Mathematical, Experimental

Abstract: Recently customers who need **electricity** of higher quality have been installing co-generation facilities. They can avoid voltage sags and other distribution system related disturbances by supplying **electricity** to important load from their generators. For another example, FRIENDS, highly reliable distribution system using semiconductor switches or storage devices based on power electronics technology, is proposed. These examples illustrates that the request for high reliability in distribution system is increasing. In order to realize these systems, fast relaying algorithms are indispensable. The author proposes a new method of detecting magnetizing inrush current using discrete wavelet transform (DWT). DWT provides the function of detecting discontinuity of current waveform. Inrush current occurs when transformer core becomes saturated. The proposed method detects spikes of DWT components derived from the discontinuity of the current waveform at both

Output This Record
 Bibliographic Fields
 PRINT E-MAIL SAVE
 EXPORT TO REFERENCE SOFTWARE
 Or add it to the Marked List for later output and more options.
 REMOVE FROM MARKED LIST [2 records marked]

Create Citation Alert
 CREATE CITATION ALERT
 Receive e-mail alerts on future citations to this record. (Requires registration.)
 Holdings GO

View in Web of Science
[Citing Articles](#)

Print, E-mail, Save or Export to Reference Software (EndNote) from the full record screen.

Create a Citation Alert so that you will receive e-mail alerts on future citations to this record

Click on the Go button to check the U Tas library holdings for the source of this article.

View the record in Web of Science to view related references

Search strategies

Effective searches strategies are essential for finding relevant references on your topic. The search operators below will help in combining terms that reflect your topic.

Boolean Operators:

Boolean operators define the relationships between words or groups of words.

Use	To
AND	Narrow search and retrieve records containing <i>all</i> of the words it separates.
OR	Broaden search and retrieve records containing <i>any</i> of the words it separates, such as synonyms, eg: inductor or transformer or reactor .
NOT	Narrow search and retrieve records that do <i>not</i> contain the term following it.
()	Group words or phrases when combining Boolean phrases and to show the order in which relationships should be considered, eg: (inductor or transformer) and electric* and air-cored

Proximity Searching:

Proximity searches limit the number of words between your search terms.

Use	To
SAME	Find words within the same sentence, eg: electrical same inductance retrieves records that contain the words electrical and inductance in the same sentence or index term

Wildcard Symbols:

Wildcard symbols can expand the scope of your search.

Use	For
*	To represent any number of characters, including no characters. For example: <ul style="list-style-type: none">▪ electric* matches <i>electric, electrical, electricity</i>▪ sul*ur matches <i>sulfur</i> or <i>sulphur</i>.▪ Jones A* (in an Author/Editor search) matches <i>Jones A; Jones AB; Jones A</i>▪ Hof*man matches <i>Hofman</i> or <i>Hoffman</i>.
?	To represent any single character. For example: <ul style="list-style-type: none">▪ neuros?s matches <i>neurosis</i> and <i>neuroses</i>.▪ organi?ation matches <i>organization</i> and <i>organisation</i>.▪ iodi?? matches <i>iodine, iodide</i>

Thesaurus:

You can search the thesaurus for Controlled Indexing terms (subject heading terms) to focus your search more accurately. Controlled Indexing terms are added by subject specialists to indicate major concepts covered in the reference.

To use the thesaurus, click on the Inspec Thesaurus link from the Search screen

- Enter a term in the **Find a term** box
- click **Find**
- The results of the search will appear on the Results page of the thesaurus
- Click on the T to view the Thesaurus details
- Click on Add, then click on OK to transfer the term to the search screen

Searching in the Controlled Index field:

Find terms that describe your topic by examining the full records of your search results and by searching the thesaurus. Once you have established the best terms to use, type a search statement in the Controlled Index window of the Search screen.

The Inspec Thesaurus screen showing the thesaurus detail for the term “maser”

The term added by the INSPEC indexers to the records on this topic is shown

The Used For field shows the synonyms that the index term is used for. Broader, Related and Narrower terms may also be displayed.

Click on the Add button to add a term to the Transfer section. Click on the OK button to add the term to the search screen

Saving searches and running saved searches

You can save your searches to run again at a later date. The advantage of this is that once a search has been established that retrieves relevant records, the search can be saved to run against future updates to the database. To save a search (using Internet Explorer):

- Return to the **Search History** button to open the **Search History** window
- Click on the **Save History** button at the top of the Search history table
- You will be prompted to register with your e-mail address and a password

Once registered, choose either of the options from the Save Search History page:

- Save on the ISI Web of Knowledge Server – this option allows you to choose to receive email alerts
- Save on Your Workstation – this saves your history to a local drive

A saved search can be run from the opening page of Inspec:

- Click on the **Open Saved Search** button in the middle of the screen
- You will then be prompted to **Sign in** if you haven't already
- From the **Open/Manage Saved Searches** screen a list of your saved searches are displayed
- Select the search you want to run and click **Open**
- From the **View History** screen click **Run**
- Select the Time span you want the search to cover and click on Continue
- On the **Search History** page click on the **Results** link

Saving to EndNote (using Internet Explorer)

To export references to your EndNote Library:

- Mark and submit records and go to Marked List page
- Click on “Export to Reference Software”
- EndNote will engage and the Select a Reference Library window appears
- Select your library and click OPEN. Exported references will automatically drop into your library.

Use Help!

Web of Knowledge provides very useful Help screens that relate to the screen or function that you are currently using.
