

IEEE *Xplore* 2.0 User Guide

Search Examples

Table of Contents

SEARCH EXAMPLES.....	1
Structured Advanced Search Examples (Option 1).....	1
Free-Form Advanced Search Examples (Option 2).....	2
Complex Free-Form Advanced Search Examples (Option 2)	3
Author Search Examples	4

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Search Examples

Structured Advanced Search Examples (Option 1)

Suppose you want to find articles about **broadband wireless access** technology.

1. Hover on or click **SEARCH** and then click **Advanced**.
2. You can construct a search query that searches for the phrase **broadband wireless access** in all fields:



OPTION 1

Enter keywords or phrases, select fields, and select operators

broadband wireless access	in	All Fields
AND		All Fields
AND		All Fields

Run Search Reset

3. You can expand this search to a full-text search by selecting **Full Text & All Fields**:



OPTION 1

Enter keywords or phrases, select fields, and select operators

broadband wireless access	in	Full Text & All Fields
AND		All Fields
AND		All Fields

Run Search Reset

4. Suppose you want only articles with this topic in their title. In addition, you know that the term is sometimes abbreviated to **BWA**. You can look for either topic in the document title by using the **Or** operator as follows:



OPTION 1

Enter keywords or phrases, select fields, and select operators

broadband wireless access	in	Document Title
OR	bwa	Document Title
AND		All Fields

Run Search Reset

Limiting Records Searched:

To limit this search to the IEEE Periodicals collection (journals, magazines, and transactions), deselect the other choices under **Publications**.

» **Publications**

Select publications

IEEE Periodicals

IEE Periodicals

IEEE Conference Proceedings

IEE Conference Proceedings

IEEE Standards

Also, you can narrow the search to a specific date range by using **Select date range**.

Free-Form Advanced Search Examples (Option 2)

Suppose you want to find articles about **broadband wireless access** technology.

1. Hover on or click **SEARCH** and then click **Advanced**.
2. You can use the free-form area to enter a search query that searches for the phrase **broadband wireless access** in all fields:

➤ **OPTION 2**

Enter keywords, phrases, or a Boolean expression

broadband wireless access

Run Search

Reset

3. You can expand this search to all fields and full text as follows:

➤ **OPTION 2**

Enter keywords, phrases, or a Boolean expression

broadband wireless access <in> (metadata,
pdfdata)

Run Search

Reset

4. Suppose you want only articles with **broadband wireless access** in their title. In addition, you know that the phrase is sometimes abbreviated to **BWA**. You can look for either topic in the document title by using the **Or** operator as follows:

OPTION 2

Enter keywords, phrases, or a Boolean expression

```
(broadband wireless access<in>ti) <or>
(bwa<in>ti)
```

Run Search

Reset

Limiting Records Searched:

To limit this search to the IEEE Periodicals collection (journals, magazines, and transactions), deselect the other choices under **Publications**.

Publications

Select publications

IEEE Periodicals

IEE Periodicals

IEEE Conference Proceedings

IEE Conference Proceedings

IEEE Standards

Also, you can narrow the search to a specific date range by using **Select date range**.

Complex Free-Form Advanced Search Examples (Option 2)

In free-form advanced search (Option 2), you can specify and perform more complex searches than you can using structured advanced search (Option 1). You can use many search terms and a variety of search operators, and you can control the order in which to evaluate expressions.

Using logical operators and parentheses:

You create more complex queries using free-form advanced search by joining search expressions with logical operators and using parentheses to group and prioritize parts of the query. Although parentheses are not always required, they help you to see the structure of your query more clearly, and may make it easier for you to edit the query.

Here is an example of a more complex query:

```
(<or>(rfid,radio frequency identification)) <and>
(<or>(privacy,security))
```

With some operators, like the two **<or>** operators in the example, you can enter the operator only once and follow it with a list of the search terms it operates on. This form makes it a little easier to create and read search expressions.

Using other operators and modifiers:

In free-form advanced search, you have access to operators you cannot use in structured advanced search, such as **<near>**, **<order>**, and **<many>**.

Here is an example of a complex query using these operators:

<many>(<order>(<and> (moon, man, vehicle)))

First, a record must contain some variation of all three terms before it can match. Then, those three terms must appear within the record in the order shown. After all matching records are found, IEEE *Xplore* assigns a score to each one, so that you can sort them by score and view together those with dense occurrences of these terms.

Author Search Examples

Suppose you want to find a conference paper by J.R. Tuttle about RFID (radio frequency identification) technologies. Here are three ways you perform an author search in IEEE *Xplore* to find the paper:

- Using Author Search
- Using Structured Advanced Search (Option 1)
- Using Free-Form Advanced Search (Option 2)

Using Author Search

1. Hover on or click **SEARCH** and then click **Author**.
2. Enter the author's last name and first initial in the box.



OPTION 1
Quick Find an Author:
 Enter a name to locate articles written by that author.
 >>

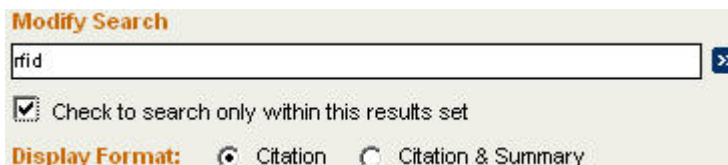
3. Select the author from the list of results.

Select a name to view articles written by that author



[Tuttle J.](#) [Tuttle J. A.](#) [Tuttle J. E. B.](#)
[Tuttle J. O.](#) [Tuttle J. R.](#)

4. If the list of documents is long, perform a search within the results.



Modify Search
 >>
 Check to search only within this results set
Display Format: Citation Citation & Summary

Using Structured Advanced Search (Option 1)

1. Hover on or click **SEARCH** and then click **Advanced**.
2. Construct a search query that searches for **Tuttle J** in the author field and **RFID** in the document title field.



OPTION 1

Enter keywords or phrases, select fields, and select operators

tuttle j	in	Author
AND		rfid
	in	Document Title
AND		
	in	All Fields

Run Search Reset

Using Free-Form Advanced Search (Option 2)

1. Hover on or click **SEARCH** and then click **Advanced**.
2. Construct a free-form search query that searches for **Tuttle J** in the author field and **RFID** in the document title field.



OPTION 2

Enter keywords, phrases, or a Boolean expression

```
(tuttle j<in>au) <and> (rfid<in>ti)
```

Run Search Reset