

# Inspec® on Web of Science

## Quick Reference Guide

**IET Inspec** is the definitive engineering and physics research database, providing thorough coverage of physics, electrical/electronic engineering, computing, control engineering, mechanical engineering, production and manufacturing engineering, and information technology.

- ✓ Over 22 million records
- ✓ 4,500+ current journals
- ✓ Coverage back to 1898
- ✓ Specialized indexing - Search using the unique Inspec Thesaurus and Classification Codes as well as chemical, numerical, and astronomical indexing.

## Why use Inspec on Web of Science?

### Broader citation connections

On Web of Science can you track citation impact for Inspec's indexed articles and easily navigate to all citing articles across the *Web of Science* platform.

### Highly Cited and Hot Papers

Highly Cited Papers (top 1%) and Hot Papers can be identified within other databases, when they are also indexed in the *Web of Science Core Collection*.

### All Database searching

Run an All Databases search to include Inspec alongside your institution's full Web of Science subscription to see everything in your subject specialty and beyond.

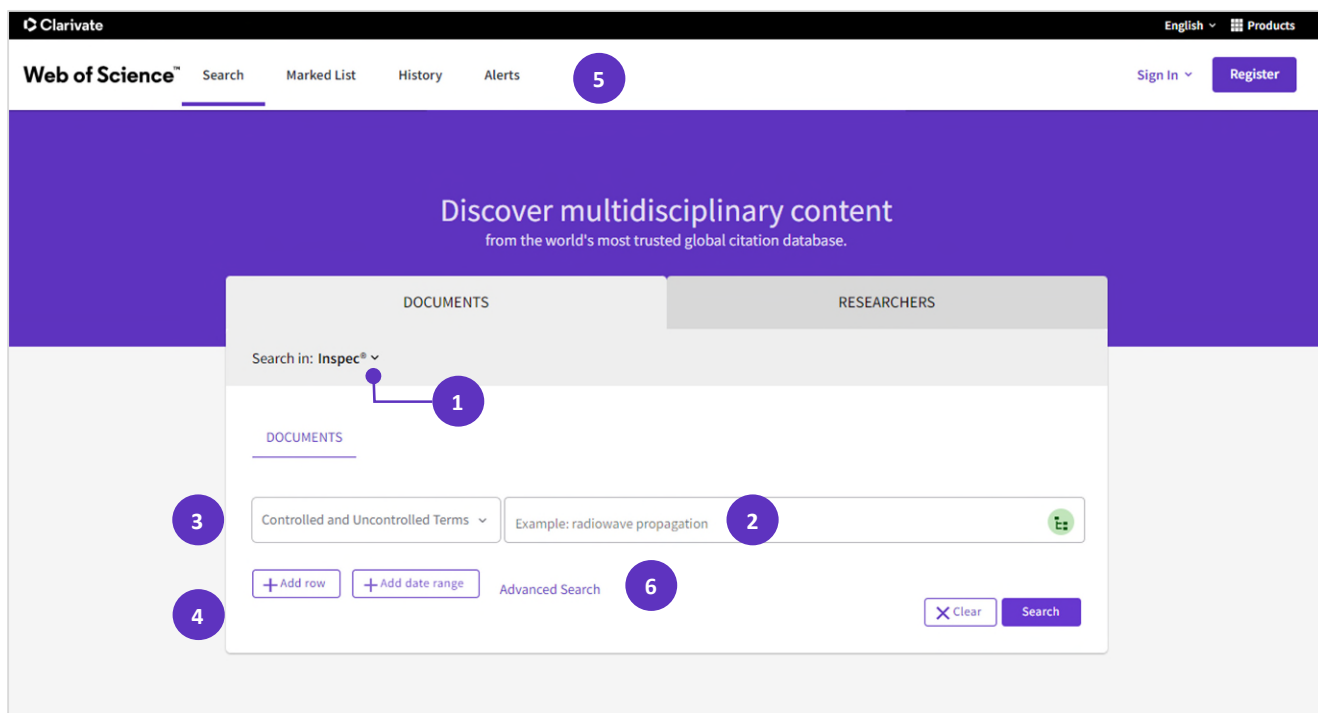
### Access trusted full text

Easily identify, filter and access Open Access articles in Inspec, and get one-click access to Open Access and subscribed articles with EndNote Click.

### Visual results analysis

Explore trends and gain unique insights into your search results with Web of Science's intuitive visual analysis tool.

## Basic Search



1

### Select a database

Use the dropdown menu to select another content set on the Web of Science.

2

### Search

Combine words and phrases to search across the source records in Inspec.

3

### Select your search fields

Use the drop down menu to select your search field.

Search by Topic, Title, Author, Publication Titles, Year Published, etc.

4

### Add another search field

Click **Add Row** to add additional fields.

Fields with controlled terms have an associated searchable index. Click the **Thesaurus icon** to search the Inspec thesaurus.

5

### History

See the list of all your previous searches on the Web of Science.

6

### Advanced Search

Click to switch to Advanced Search options including structured field searching, combining sets, and more.

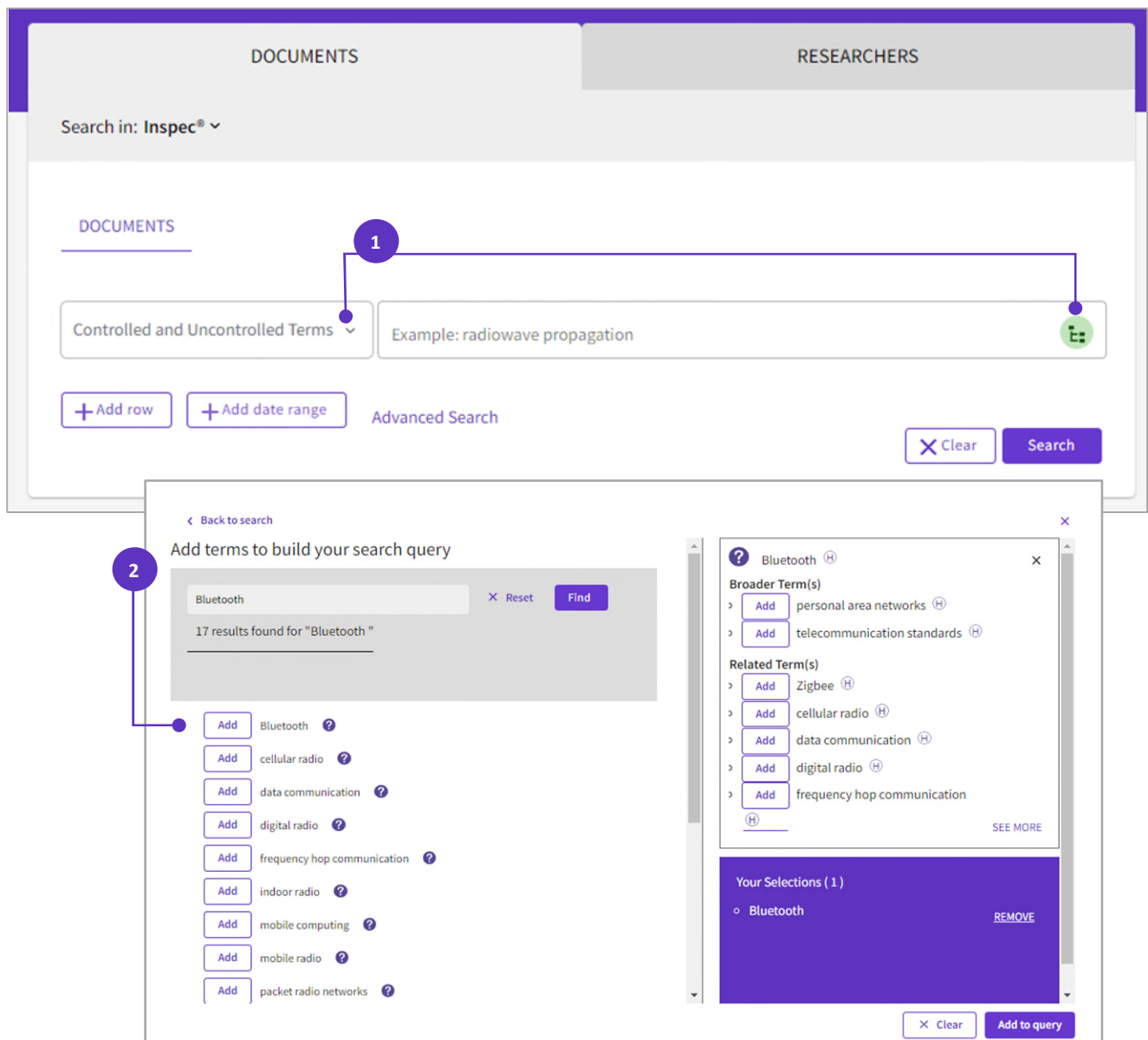
## Searching the Inspec thesaurus

### Step One

- Select any of the fields from the dropdown menu that utilize a thesaurus. These include: **Subject Classification Codes, Controlled and Uncontrolled Terms.**
- Click the **Thesaurus** icon to enter the thesaurus search screen

### Step Two

- Add terms and click **Find** to search the thesaurus
- Clicking the **?** icon next to a term will display the thesaurus details for the term
- Click **Add** to select the term for your search



The screenshot illustrates the search process in the Inspec thesaurus. It is divided into two main sections: DOCUMENTS and RESEARCHERS. The DOCUMENTS section shows a search bar with the text "Search in: Inspec®" and a dropdown menu currently set to "Controlled and Uncontrolled Terms". A search input field contains the text "Example: radiowave propagation". Below the search bar are buttons for "+ Add row", "+ Add date range", and "Advanced Search". A "Clear" button and a "Search" button are also present. A callout box labeled "1" points to the dropdown menu and the search input field.

The RESEARCHERS section shows a search query for "Bluetooth" with 17 results found. A callout box labeled "2" points to the search results. The results are listed as follows:

- Add Bluetooth ?
- Add cellular radio ?
- Add data communication ?
- Add digital radio ?
- Add frequency hop communication ?
- Add indoor radio ?
- Add mobile computing ?
- Add mobile radio ?
- Add packet radio networks ?

A detailed view of the "Bluetooth" term is shown, including broader and related terms:

- Broader Term(s)**
  - Add personal area networks ?
  - Add telecommunication standards ?
- Related Term(s)**
  - Add Zigbee ?
  - Add cellular radio ?
  - Add data communication ?
  - Add digital radio ?
  - Add frequency hop communication ?

The "Your Selections (1)" section shows "Bluetooth" with a "REMOVE" button. A "Clear" button and an "Add to query" button are also visible.

# Search Results

**Web of Science™** Search Marked List History Alerts English Products Sign In Register

Search > Results for Bluetooth (Cont... > Analyze Results: Bluetooth... > Results for Bluetooth (Cont... > Results for Bluetooth (Controlled and Uncontrolled Terms)

**14,947 results from Inspec® for:**

Bluetooth (Controlled and Uncontrolled Terms)

Copy query link

Publications You may also like...

**Refine results**

Search within results for...

Quick Filters

- Highly Cited Papers: 20
- Hot Papers: 1
- Open Access: 2,100
- Associated Data: 5

Publication Years

- 2022: 23
- 2021: 969
- 2020: 1,224
- 2019: 1,163
- 2018: 1,200

See all >

Classifications

- Radio Links And Equipment: 5,523
- Mobile Radio Systems: 4,708
- Computer Communications: 3,892
- Computer Networks And Techniques: 2,052
- Biology And Medical Computing: 1,969

See all >

0/14,947 Add To Marked List Export Sort by: Citations: highest first 1 of 299

**1 Reality mining: sensing complex social systems**  
 Earle, N. and Pentland, A. 2006 | *Personal and Ubiquitous Computing* 10 (4), pp.255-68  
 We introduce a system for sensing complex social systems with data collected from 100 mobile phones over the course of 9 months. We demonstrate the ability to use standard Bluetooth-enabled mobile telephones to measure information access and use in different contexts, recognize social patterns in daily user activity, infer relationships, identify socially significant locations, and model organi... Show more

**Analyze Results** **Create Alert**

14,947 publications selected from Inspec®

Controlled Terms

Sort by: Results count Show: 25 Minimum record count: 1

Visualization: TreeMap Chart Number of results: 10 DOWNLOAD

Term	Count
Bluetooth	12,391
Mobile Computing	2,129
Wireless Sensor Networks	1,150
Patient Monitoring	1,114
Smart Phones	1,748
Protocols	1,027
Cellular Radio	781
Wireless Lan	2,895
Internet Of Things	1,206
Microcontrollers	962

## Search Results

1

### Article title

Click the article title to move to the full record. Links to full text may also be available (subscription required).

2

### Results

View the number of results and your full search statement. Click in the search box to open the search panel, and make edits to your search statement.

3

### Sort results

Gain a new perspective on your results when you sort by relevance, date, citation counts, or alphabetically.

4

### Refine your results

Mine your full set of results to find Hot & Highly Cited Papers, Associated Data, Open Access records, Publication Years, and more.

5

### Export search results

Export to your EndNote library, send to InCites for analysis, save as text, email, etc. Save up to 50 Marked Lists containing up to 50,000 records per list

6

### Analyze results

Click **Analyze Results** to analyze results by Publication Years, Document Types, Inspec Controlled terms, Classifications, Open Access, etc.

7

### Create an alert

Click **Create Alert** to save this search statement as a search alert. A free account is necessary to store your search alerts. Click **Register** to create one.

# Full Record

Full text at publisher
Export
Add To Marked List
1 of 1,243

**1** NGA-West2 ground motion model for the average horizontal components of PGA, PGV, and 5% damped linear acceleration response spectra

**2** By: Campbell, K.W.; Bozorgnia, Y.  
Earthquake Spectra  
Volume: 30 Issue: 3 Page: 1087-115  
DOI: 10.1193/062913EQS175M  
Published: Aug, 2014  
Indexed: 2014-10-09  
Document Type: Journal Paper

**Abstract**  
We used an expanded PEER NGA-West2 database to develop a new ground motion prediction equation (GMPE) for the average horizontal components of PGA, PGV, and 5% damped linear pseudo-absolute acceleration response spectra at 21 periods ranging from 0.01 s to 10 s. In addition to those terms included in our now superseded 2008 GMPE, we include a more-detailed hanging wall model, scaling with hypocentral depth and fault dip, regionally independent geometric attenuation, regionally dependent anelastic attenuation and site conditions, and magnitude-dependent aleatory variability. The NGA-West2 database provides better constraints on magnitude scaling and attenuation of small-magnitude earthquakes, where our 2008 GMPE was known to be biased. We consider our new GMPE to be valid for estimating horizontal ground motion from shallow crustal continental earthquakes in an active tectonic domain for rupture distances ranging from 0 km to 300 km and magnitudes ranging from 3.3 to 7.5-8.5, depending on source mechanism.

**Author Information**  
**Addresses:**  
Campbell, Kenneth W.; CoreLogic/EQECAT, Oakland, CA, USA  
Bozorgnia, Yousef; Pacific Earthquake Eng. Res. Center, Univ. of California, Berkeley, Berkeley, CA, USA

**Categories/Classification**  
**Research Areas:** Geochemistry & Geophysics (provided by Clarivate)  
**International Patent Classification:** G01V1/00 Seismology; Seismic or acoustic prospecting or detecting  
**Subject Classification codes:** A9130B Seismic sources; A9130M Seismic strong motions and damage; A9130D Seismicity (spatial and temporal distribution); A9145B Sub-plate scale tectonics (faults, folds, rifts, etc.); A9135G Earth crust and upper mantle  
**CODEN:** EASPEF  
**Controlled Terms:** Earth crust; earthquakes; faulting; seismology  
**Uncontrolled Terms:** NGA-West2 ground motion model; average horizontal components; PGA; PGV; expanded PEER NGA-West2 database; ground motion prediction equation; GMPE; damped linear pseudoabsolute acceleration response spectra; hanging wall model; hypocentral depth; fault dip; regionally independent geometric attenuation; regionally dependent anelastic attenuation; site condition; magnitude-dependent aleatory variability; magnitude scaling; small-magnitude earthquake attenuation; horizontal ground motion estimation; shallow crustal continental earthquakes; active tectonic domain; rupture distance; earthquake magnitude; source mechanism; distance 0 km to 300 km

**Document Information**  
**Language:** English  
**Accession Number:** INSPEC:14615399  
**ISSN:** 8755-2930

**Other Information**  
**Treatment:** Theoretical or Mathematical  
**Numerical Data Indexing:** distance 0.0E+00 to 3.0E+05 m

[See fewer data fields](#)

**Citation Network**  
In Web of Science Core Collection

**549** Citations Highly Cited

▲ Create citation alert

**563** Times Cited in All Databases **41** Cited References

[View Related Records](#)

[+ See more times cited](#)

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**Most Recently Cited by**

Sun, H; Burton, HV; Wallace, JW; et al.  
Development of a Generalized Cross-Building Structural Response Reconstruction Model Using Strong Motion Data  
JOURNAL OF STRUCTURAL ENGINEERING

Glehan, J; Tsesarsky, M;  
Ground motion variability in Israel from 3-D simulations of M 6 and M 7 earthquakes  
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES  
See all

**8** **Journal information**

[Earthquake Spectra](#)

ISSN: 8755-2930  
**Current Publisher:** SAGE PUBLICATIONS INC, 2455 TELLER RD, THOUSAND OAKS, CA 91320  
**Table of Contents:** [Current Contents Connect](#)  
**Journal Impact Factor:** [Journal Citation Report™](#)  
**Research Areas:** Geochemistry & Geophysics  
**Web of Science Categories:** GEOCHEMISTRY GEOPHYSICS

**3.03**  
**Journal Impact Factor™ (2020)**

**Use in Web of Science**  
**Web of Science Usage Count**

**5** Last 180 Days **31** Since 2013

[Learn more](#)

**This record is from:**  
**Inspec®**

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**Suggest a correction**

*If you would like to improve the quality of the data in this record, please Suggest a correction*

## Full record

1

### Title

Each Inspec record contains an English-language title, which has either been taken from the original publication or translated by IET Inspec.

2

### Author names

All author names are indexed and are searchable. Names appear as surname, followed by one or more initials (ex. Arnon, S.)

3

### Full text

Access the full text at the publisher site. (Subscription may be required)

4

### Export record

Export to your EndNote library, send to InCites for analysis, save as text, email, etc. or add to a Marked List.

5

### Citations

The **Citations** count displays the total number of times a published paper was cited by other papers within Web of Science Core Collection. The link takes you to a citing article listing.

Create a **Citation Alert** for the current record. Receive emails whenever a document you specify is cited by a new article.

6

### Cited References

The **Cited References** count displays the number of documents cited by the current record. Click the link to view the list of cited references.

To view Related Records that share cited references with the record you are viewing, click the **View Related Records** link.

7

### Web of Science Usage Count

See the number of full text click-throughs or bibliographic exports for this item in the last 180 days or since 2013.

8

### Specialized indexing

Publications in Inspec are enhanced by subject experts to make them more searchable. You may find Inspec Subject Classification Codes, Controlled terms, Uncontrolled terms, International Patent Classifications and more in this area.

All specialized indexing is searched when the Topic field is selected in a Web of Science search. You may also search each specialized field separately.

## Getting Help

Click the Help button on any page to get detailed help on features, as well as search tips, examples, and product updates. You can also contact us directly from here if you need more assistance.

