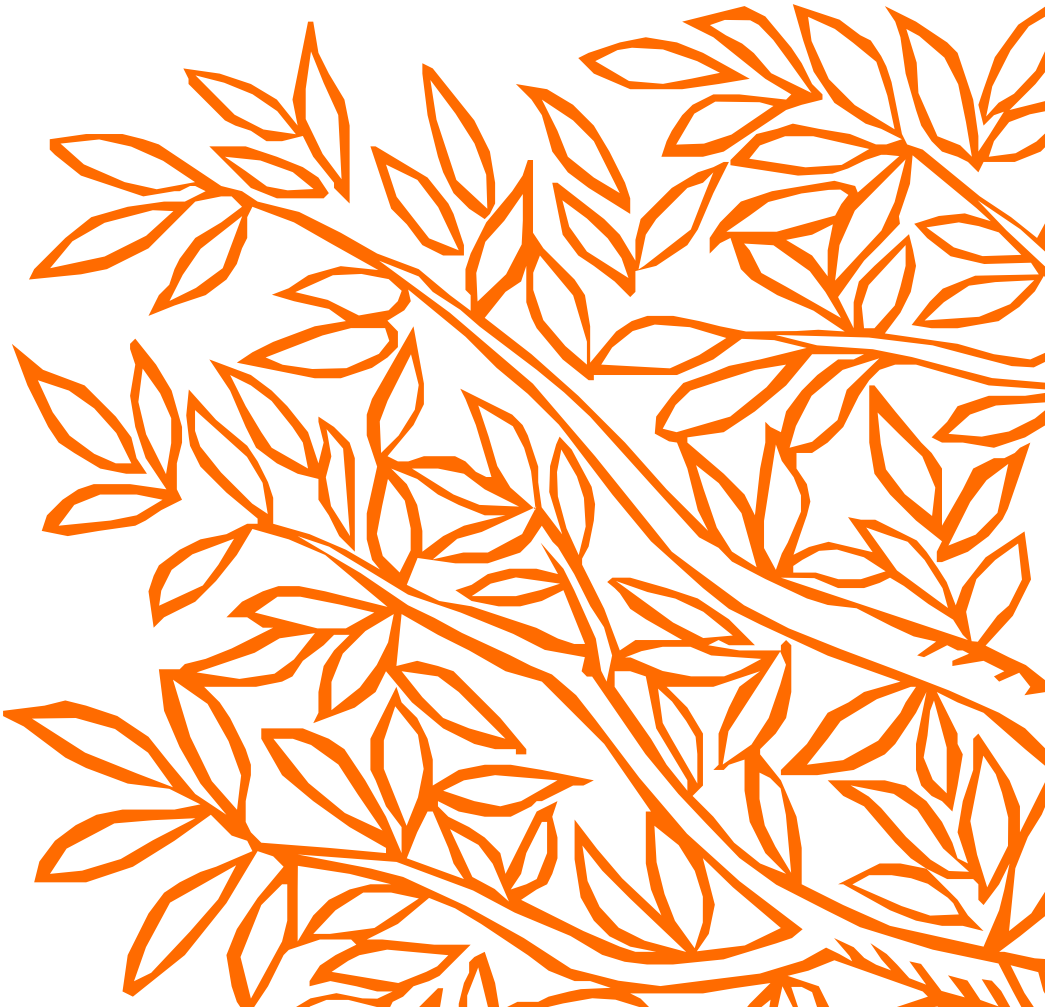
ELSEVIER

Engineering Village

Quick Reference Guide



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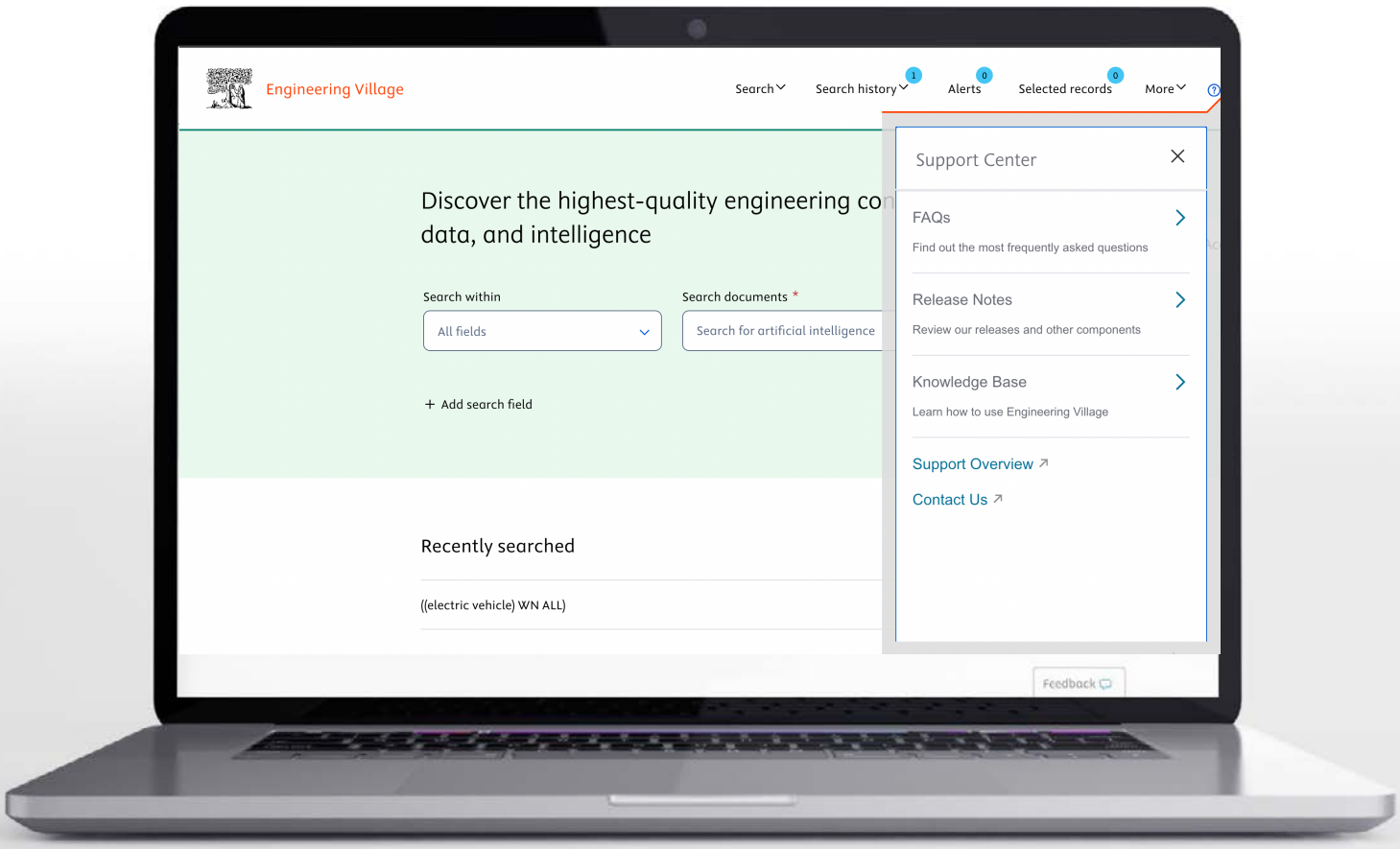
Engineering Village Quick Reference Guide

This user guide provides an overview of the most frequently used Engineering Village search options, to help you improve efficiency, productivity and facilitate important discoveries more easily.

www.engineeringvillage.com



Quick Reference Summary

Search

Search for an exact phrase by using double quotation marks or brackets:

"rocket propulsion laboratory"

{rocket propulsion laboratory**}**

Search within a specific field using WN

"wearable technology**" WN TI** and video **WN AB**

AB - abstract	**KY** - subject/title/abstract
TI - title	**ST** - serial title (journal name)
AU - author	**AF** - author affiliation
LA - language	**CV** - controlled term (index/thesaurus term)
YR - year	**CO** - country of publication

Boolean Connectors

NOT - excludes terms from a document or field.

AND - terms exist together within a document or field. AND narrows the number of documents retrieved.

OR - each term can exist separately within a document or field. OR expands the number of documents retrieved.

Connectors are evaluated in the order specified above - NOT then AND then OR.

Use parentheses to search compound or nested Boolean statements

("jet propulsion" OR "rocket propulsion") AND engine*

Proximity

The NEAR operator searches for terms in proximity without regard to the order of the terms. It can be used with or without a proximity number to indicate the distance between words (default is 4).
The ONEAR operator is used for searching terms that are near to each in the order specified in the search query.

solar **NEAR** energy	(solar within 4 words of energy)
wind **NEAR/3** power	(wind within 3 words of power)
energy **NEAR/0** policy	(energy next to policy)

Wildcards and truncation are supported when used in conjunction with the NEAR proximity operator.

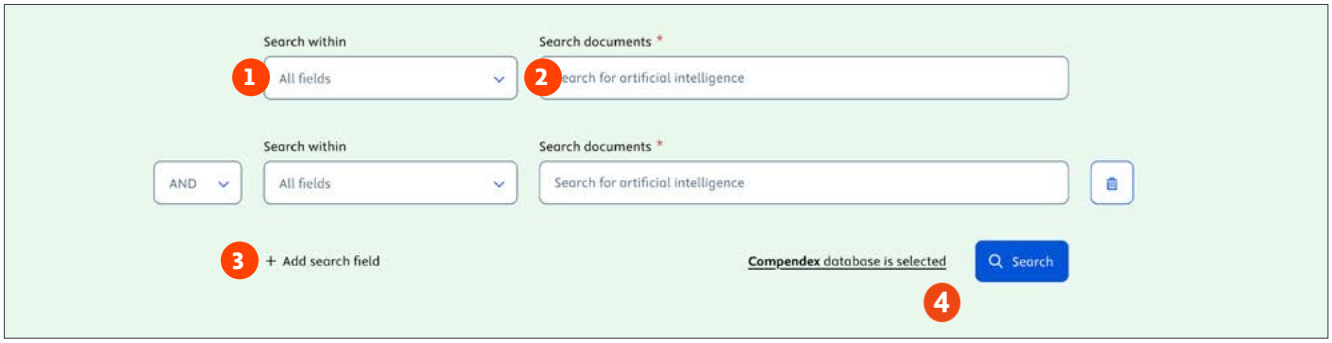
The search terms on either side of the proximity operator cannot be enclosed in parentheses as an unbalanced search error will result if the search terms are not directly adjacent to each side of the proximity operator.

Additional Tips

- Engineering Village searches are not case-sensitive. Queries may be entered in any case or mixture of cases.
- Use wildcard (?) to replace any single characters or truncation (*) to replace zero or more characters.
- Access the complete Engineering Village Help file from the Support menu in the top navigation bar.

Quick Search

The Quick Search page is an easy-to-use search form designed to enable both novice and expert searchers locate relevant information quickly and easily.

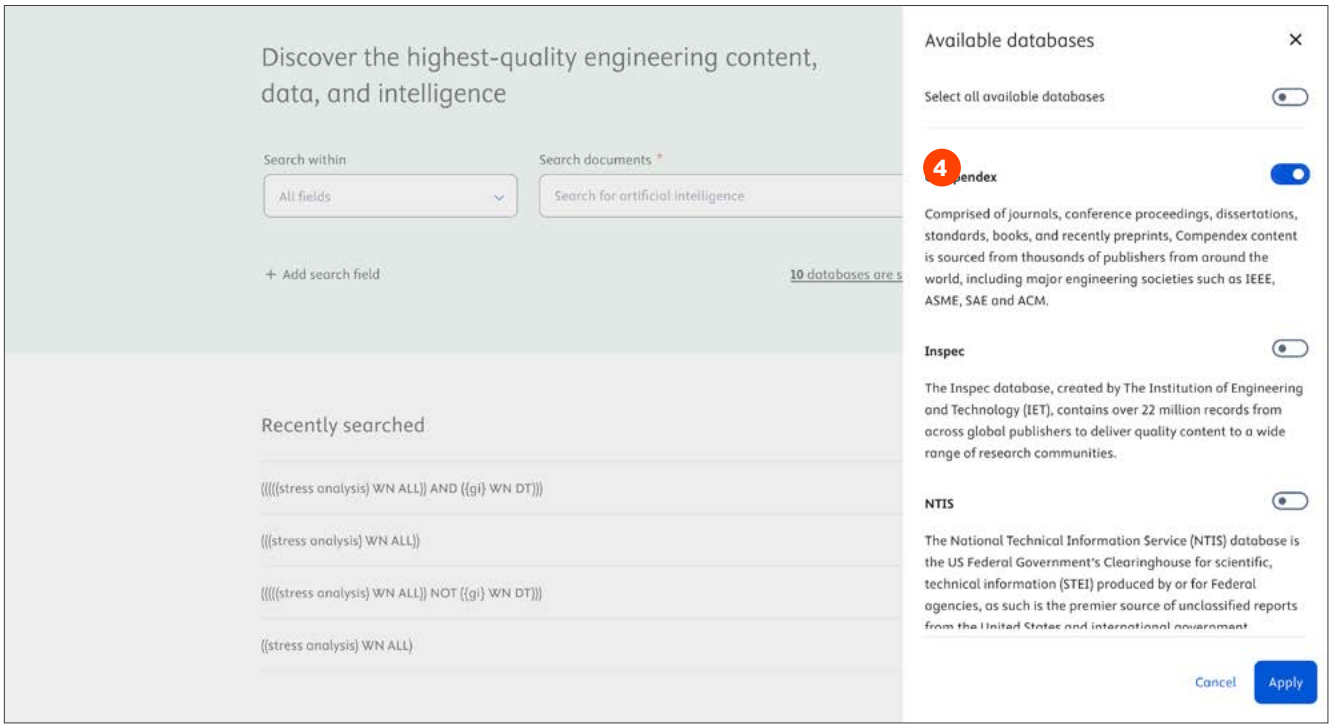


1. Search Fields: By default, users search all EV search fields. The fields available in the dropdown depend on the database selected in 4 below.

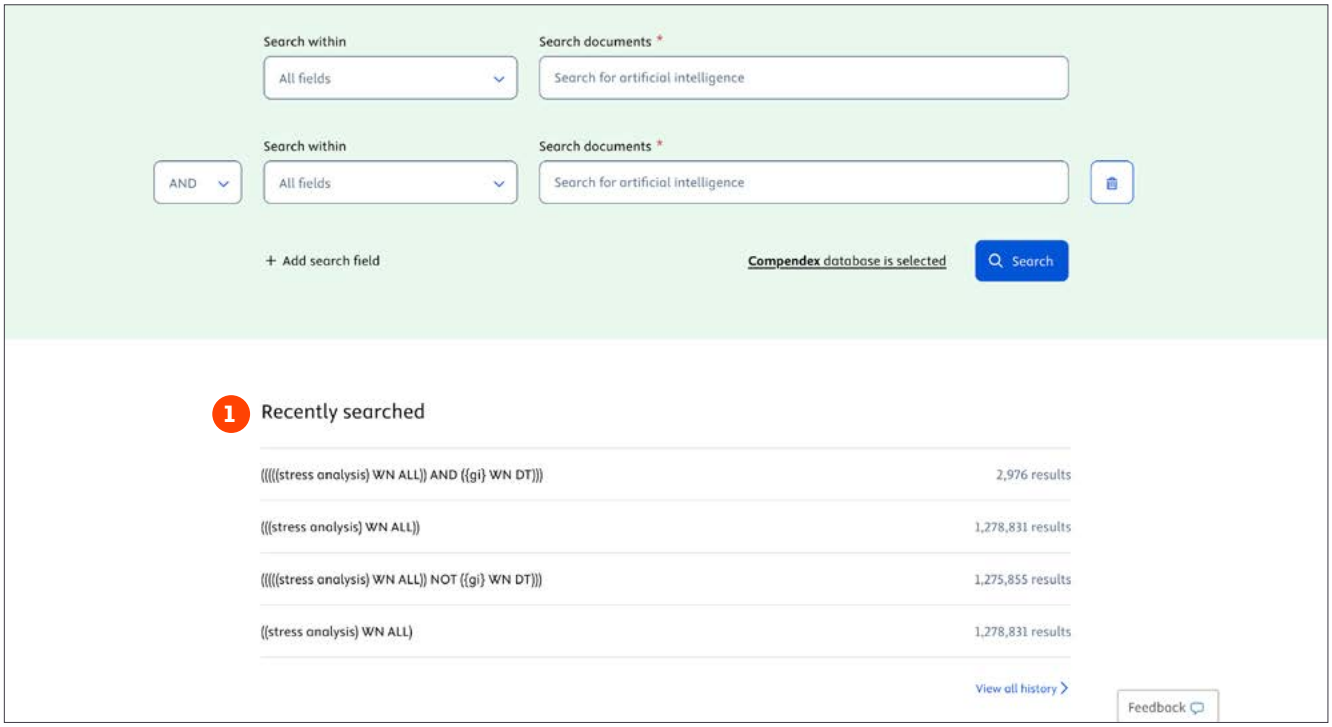
2. Search For: Enter search terms and Boolean connectors in the search box. Fielded searches using "WN" syntax are not allowed.

3. Add Search Field: Add up to 12 fields on Quick Search. Connect multiple lines using **AND**, **OR**, or **NOT** operators.

4. Databases Depending upon your organization's subscription, one or more databases might be checked by default. Users can select all available databases or select database(s) for their search.



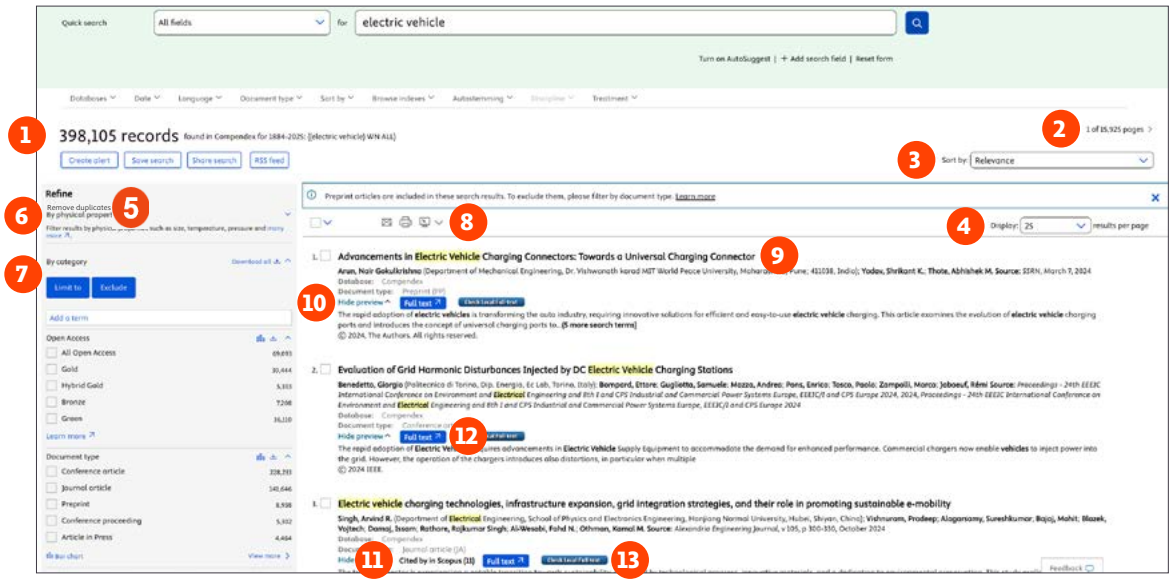
Quick Search - Recently Searched



The 'Recently searched' section of the Quick Search form contains up to five of your most recent Quick Search queries. The total number of search results is listed to the right of each search query.

Results Page

Once a valid search has been submitted, the Results Page allows users to refine their search further or get more information on specific records.



1. Search S ummary The total number of results is shown along with the databases and years searched and syntax for the search.

2. Page Navigation: Jump to next or previous page of results.

3. Sort by: Results can be sorted by Relevance and Date (Oldest or Newest) within all Engineering Village databases.

4. Results per page: The default is 25 but can be changed to 50 or 100. Registered users can save their preference for future sessions.

5. Remove duplicates: Some databases contain records from the same publisher or source. Use this feature to remove duplicates from the first 1,000 results.

6. Numeric search: Refine results using physical properties like temperature, pressure, etc.

7. Refine results: After completing a search, a list of categories appears on the left side of the search results page. Each category enables users to modify search queries. The order of the boxes can be modified by clicking and dragging a box up or down. The categories will remain in the new order for users who have created an account and are signed in. The categories displayed are database dependent.

Multiple terms can be selected across categories and the 'Limit to' button will limit search results to only include terms that were selected from the categories, while the 'Exclude' button will eliminate terms from selected categories.

8. Saving content: Once one (1) or more records are selected via the check boxes in the results list, these records can be exported in a variety of ways:

Email - use the dialog to share results with multiple users. Users must have access to Engineering Village to see the results.

Print - send selected results to printer or save as PDF.

Download - formats available for download include plain text, RefWorks, BibTex, Excel, PDF, RTF, or RIS format (RIS is compatible with EndNote, ProCite, and Reference Manager). Users with accounts can save their download preferences for use each time they sign into Engineering Village.

9. Abstract: The clickable title displays the record page where users can view the abstract along with all record metadata.

10. Show preview: View a preview of the abstract.

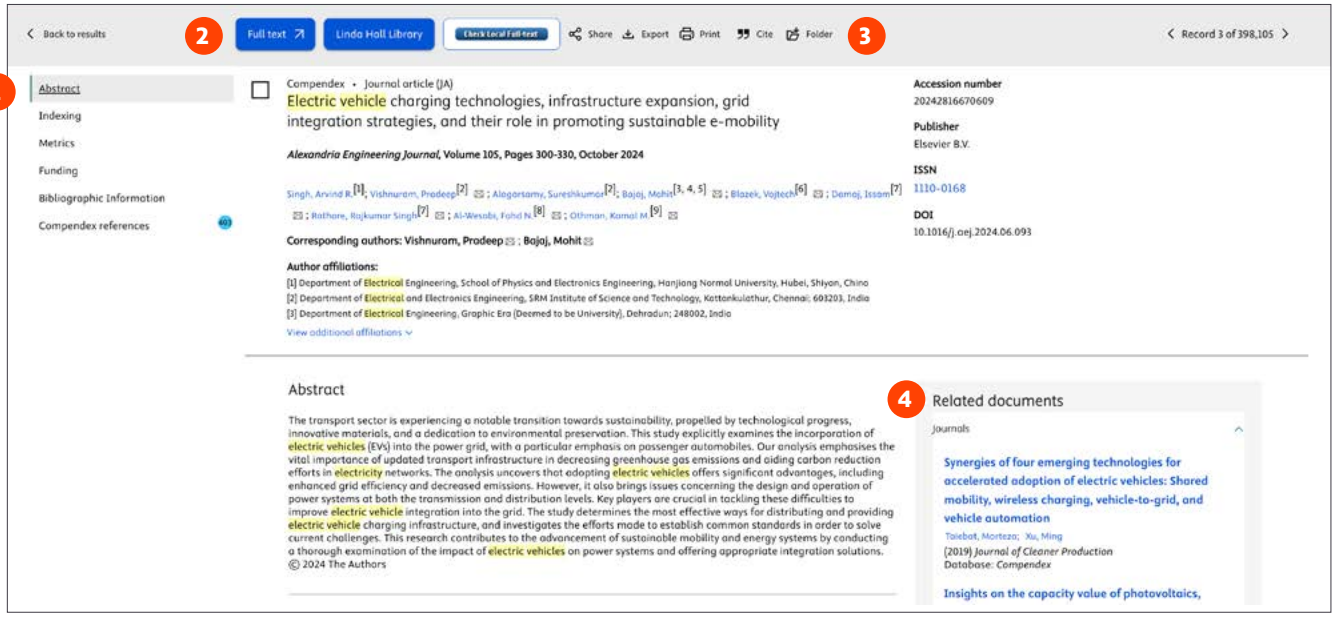
11. Cited by in Scopus: The cited by count appears in search results near each Compendex and Inspec article that contains one or more citations within the Scopus database of scientific literature. The cited by information is also available on the record page in the 'Metrics' menu.

12. Full Text: A full text button will be displayed in the record if a valid DOI or full-text URL is available. The button will take users to the publisher's site where the user may have to use their organization's entitlements to download the full text.

13. Local link resolver: Organizations can integrate their link resolver to take users to the electronic subscription for a record, if available.

Record Page

The record page view provides a comprehensive list of information about a document. You may access many Engineering Village features from this detailed view of the document.



1. Table of Contents: The various sections of the document are listed as clickable labels on the left side of the record page. Click any of these labels (e.g., 'Abstract,' 'Indexing,' 'Metrics,' 'Funding,' 'Bibliographic information') to go to that section.

2. Full text and Link Resolver: The same buttons and links that are available on the results page are repeated on the record page.

3. Export: Individual records can be printed or downloaded in the same manner as the results page.

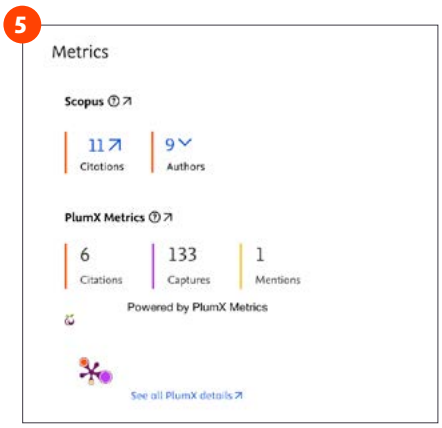
Additionally, records can be shared either by copying a permanent link or by sending the record directly via email.

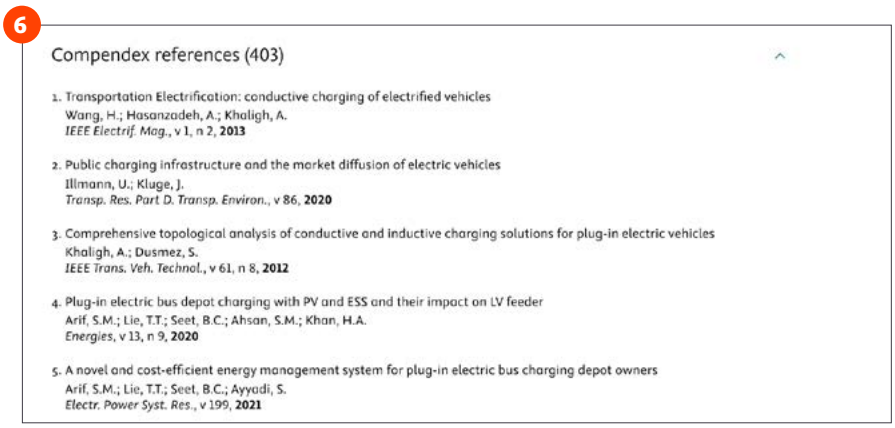
Users can also cite a document and format it in various reference styles.

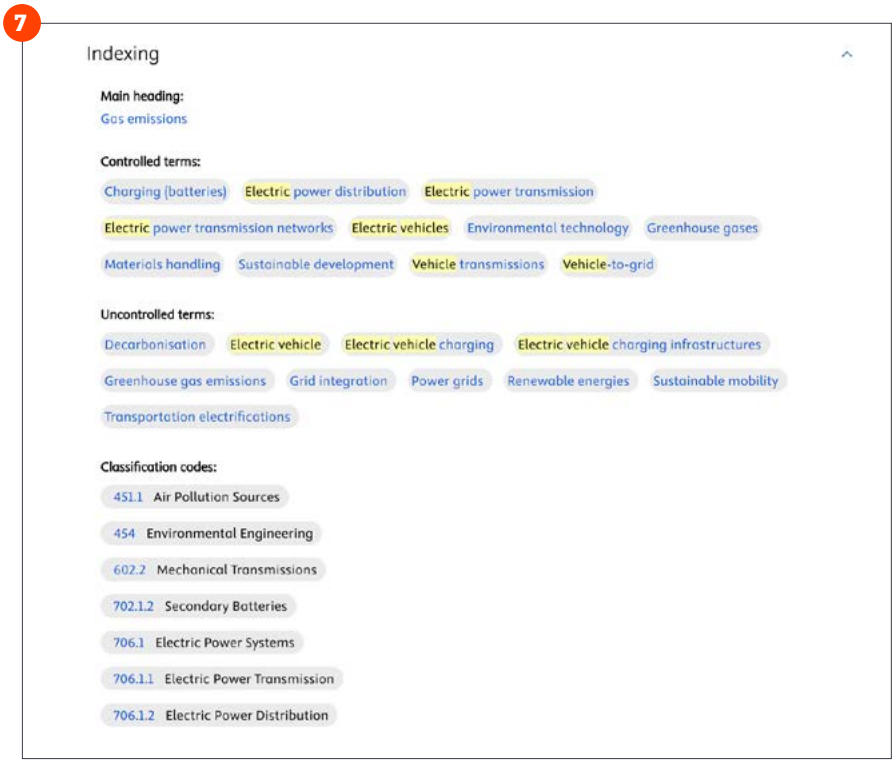
Saving documents to folders allows you to work with them further without having to search for the documents again.

4. Related documents: The Related documents box contains links to documents that are related by a recently improved relevance algorithm to the Compendex or Inspec document that you are viewing.

Record Page







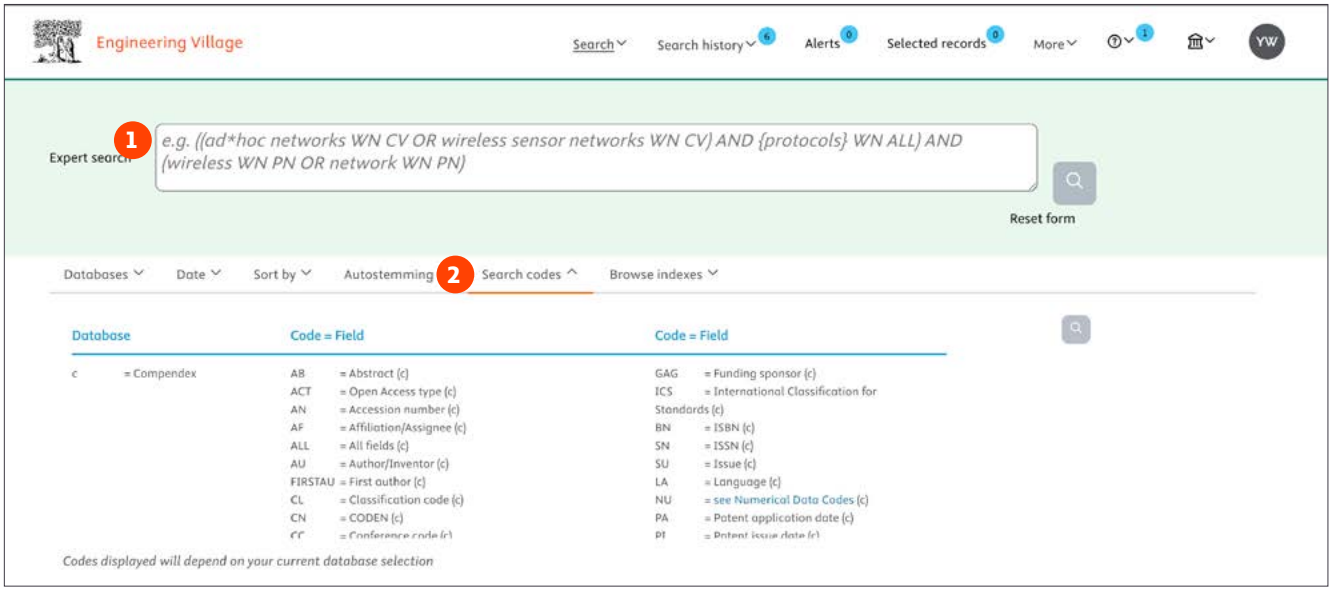
5. Metrics: The 'Metrics' section contains relevant Scopus and PlumX metrics. The Scopus metrics include Scopus Citations and Authors, and PlumX metrics offer awareness into the ways people interact with research output in the online environment.

6. References: The Compendex and Inspec references provide information used to publish their respective documents, including details such as article title, authors, source title, volume, issue, page, and publication year.

7. Implicit links: Convenient links to directly run searches against Main Heading terms, Controlled terms, Uncontrolled terms and Classification Codes.

Expert Search

Expert Search provides power and flexibility by incorporating advanced Boolean logic, as well as additional search options other than Quick Search.



1. Search input: To perform an Expert Search, select one or more databases, then construct a search using Boolean operators and search fields listed under the 'Search codes' section of the options.

2. Search codes: To search words within a specific field, use the “within” (WN) command and a field code (see examples below). Field codes for each database appear in the Search codes tab beneath the Search box on the Expert Search page.

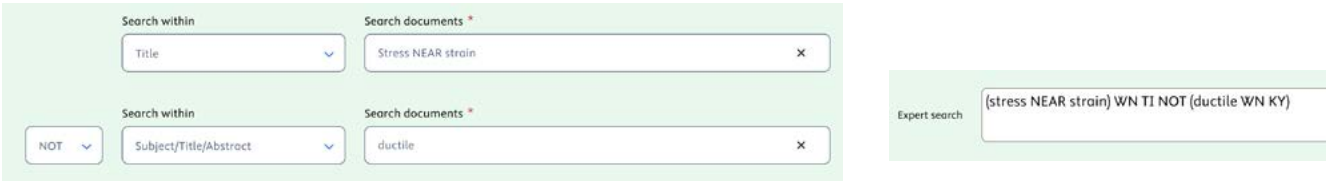
Search form comparison

Feature	Quick search	Expert search
Boolean search	Boolean phrases can be entered directly into a Quick search row, or "Add search field" feature can be used to formulate Boolean search.	Boolean searches are only constructed using NOT, AND, and OR operators.
Fielded search	Field must be selected from dropdown. Not all fields are available.	Field must be indicated using "WN" operator. All searchable fields are listed in the "Search codes" tab.
Autostemming	OFF by default.	ON by default.
Shared syntax	Both searches allow the following: • Wildcard and truncation characters • Proximity operators with or without word distance • Exact search syntax using double quotation marks or curly quotes.	

Equivalent Search

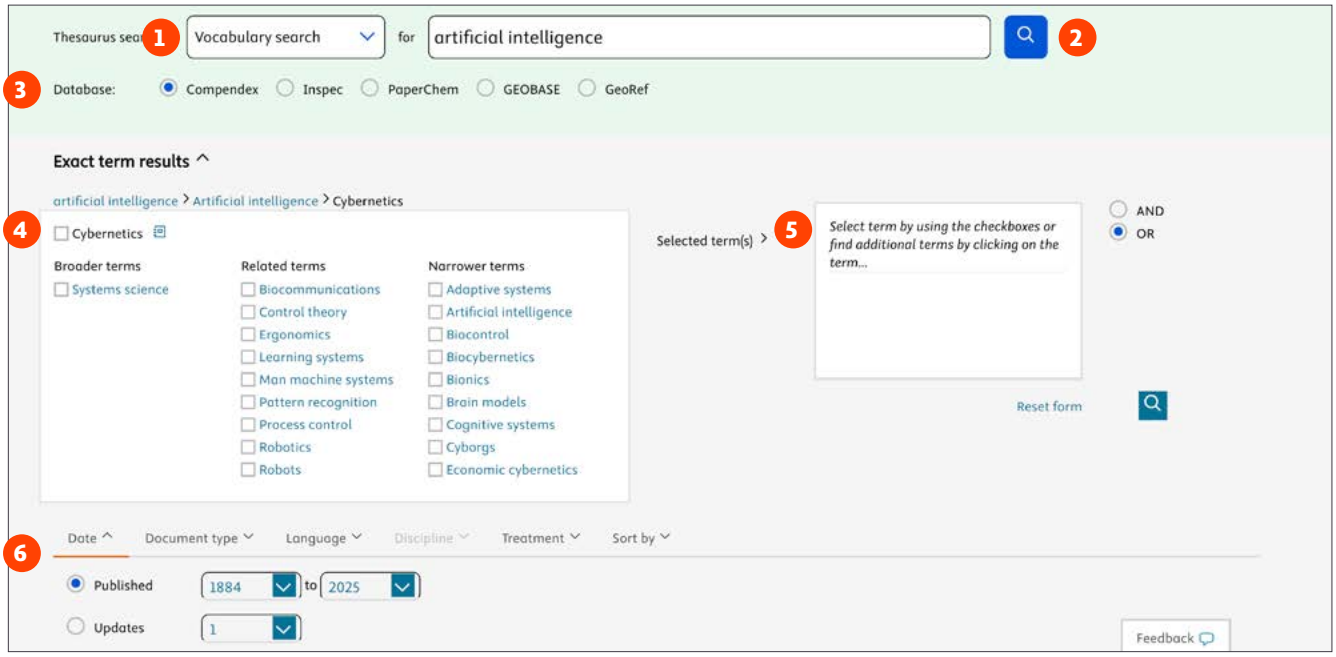
Searches the phrase **“wearable technology”** within the Title (TI) field and the word **video** anywhere within the record.

Searches the word **airbag** within the Abstract (AB) field or the words **seatbelt*** or **seat belt*** within the Title (TI) field.



Searches for **stress** within 4 words of **strain** in the Title (TI) field but not the word **ductile** in the Keyword (KY).

Thesaurus Search



1. Type of search: Three types of searches are available:

1. Vocabulary search - returns both main and first-level thesaurus terms.
2. Exact term - searches for exact matches for thesaurus main terms.
3. Browse - browses all main terms starting with closest match to the search terms entered.

2. Search terms: Depending on the type of thesaurus search selected, enter search terms.

3. Database: Available databases will depend on your organization's subscription.

4. Thesaurus results: For this example, main terms and first-level terms for "artificial intelligence" are returned. Use check boxes to add terms to **5** to be used in a document search.

Click on any individual term to view thesaurus term relationships (broader, narrower, related).

5. Document search: Thesaurus terms selected from **4** can be used to search documents. Terms can be combined using AND or OR Boolean operators.

6. Search options: Before submitting a document search, additional search options such as Date, Document type, Language, etc. can be set.

Thesaurus Search

The Thesaurus Search page enables users to build a search using descriptive terms and synonyms assigned to each record in five of the Engineering Village databases. The controlled vocabulary is used to standardize the way articles are indexed, enabling consistent and precise search and retrieval. The five databases using thesaurus terms are Compendex, Inspec, GeoRef, GEOBASE, and PaperChem. Each of the five databases is indexed with its own thesaurus. Indexers choose terms from a predetermined subject list to describe article content. Each thesaurus is organized hierarchically, with words and synonyms arranged in relation to each other with broader, narrower, equivalent, or related terms

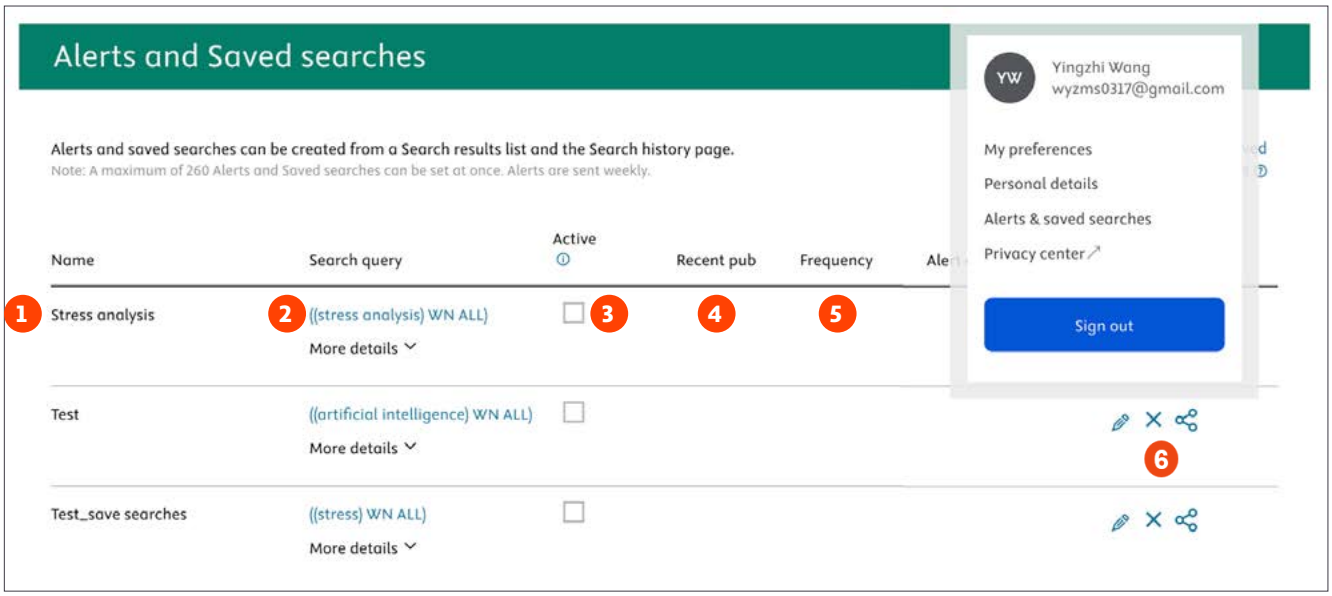
Account Creation and Personalization

Account creation is free and provides special features which are not available to users who do not have Engineering Village accounts. Using a personalized account enables users to use powerful information management tools contained in Engineering Village.

With a personal account, records and searches can be saved, folders for organizing search results can be created, and weekly alerts that send new database records matching saved search queries can be managed. Users with accounts can create personal settings for default download preferences and highlighting. All account information remains private and not shared outside Elsevier.

Alerts and Saved Searches

Alerts and Saved Searches can be created from any search results. Use the '"Alerts"' navigation link in the header or under the user icon to re-run, edit, or delete existing Alerts and Saved Searches. Alerts are delivered weekly and match results loaded into the Engineering Village databases.



1. Name: Change the name of the Alert or Saved Search. Defaults to the search query.

2. Search query: Re-run the search at any time using this link. The "More details" link will show more information about the search.

3. Status: From the Active column, you can change an alert to a saved search or vice versa.

4. Recent publications: When enabled for an Alert, results will only be returned for the current year and the previous year. Weekly data may include archived content or corrections from previous years, so this option may be useful to filter that type of content.

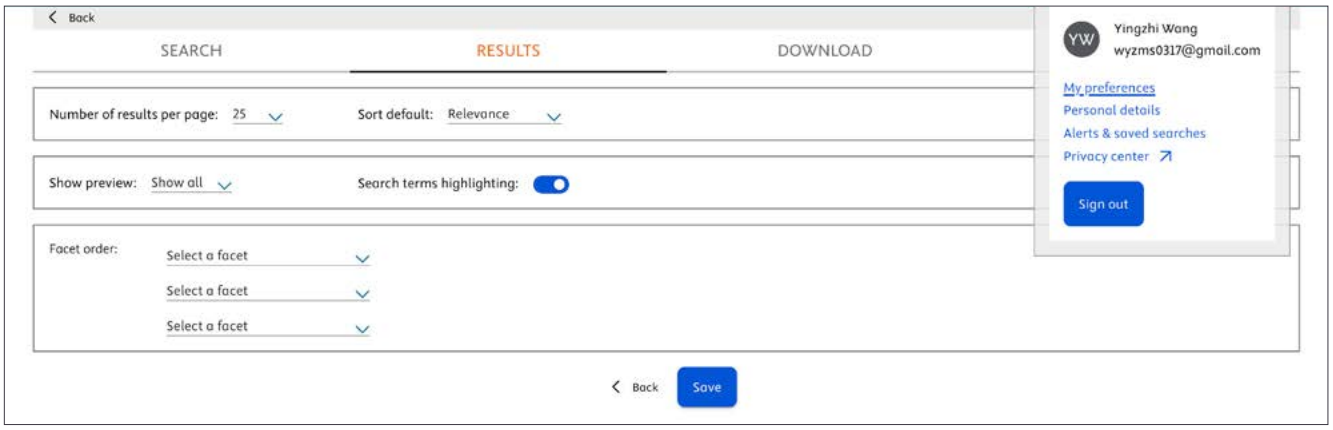
5. Frequency: Choose whether to receive your alerts weekly or every four weeks when creating an email alert. The 'Frequency' column displays the schedule that you selected when you created your alert.

6. Actions: Modify the feature (e.g., name, output, format, etc.) that you want to change for an alert or a saved search. You can also manage searches by deleting or sharing them, allowing for easy removal or distribution of search alerts.

Account creation and Personalization

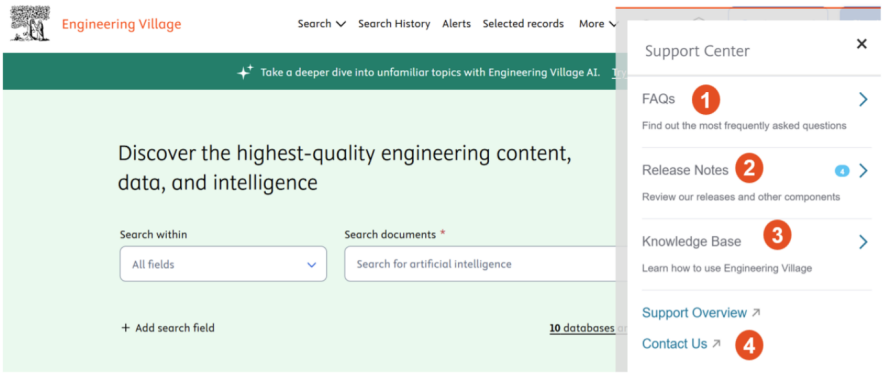
My preferences

If you are signed into Engineering Village, you have the option to control your own user preferences for downloading, sorting, record format, number of records displayed on a page, and highlighting color.



Help and Support

Help and support options are available from the "?" link in the header.



1. FAQs: Offers answers to common questions and allows you to search for specific inquiries within the entire FAQs collection.

2. Release Notes: Information about the latest release(s) for Engineering Village.

3. Knowledge Base: Access to video tutorials alongside a link to the Support Center.

4. Contact: Opens new window where users can submit their inquiries with a contact form.

Databases available on Engineering Village

Ei Compendex

Ei Compendex, online since 1970, is the most authoritative database of abstracted and indexed literature in engineering and the applied physical sciences. Abstracts of articles covering 190 engineering disciplines are indexed according to the Ei Thesaurus. Ei Compendex covers many thousands of peer-reviewed journals and conference proceedings, including proceedings from leading engineering societies and publishers.

Engineering Index & Ei Backfile

The Engineering Index Backfile provides a comprehensive, historical view of engineering developments and innovations from 1884-1969 with 1.7 million records digitized from the original Engineering Index print records. The combined searching capability of Ei Compendex and the Ei Backfile offers the most comprehensive resource for engineering available anywhere covering over 131 years.

Inspec & Inspec Archive

Inspec, created by the Institution of Engineering and Technology (IET), is one of the world's most definitive bibliographic scientific databases, containing 20 million abstracts and indexing records. Inspec covers publications from 1969 onwards; Inspec archive covers publications from 1898 to 1968.

GEOBASE

GEOBASE is a multidisciplinary database, which indexes bibliographic information and abstracts for the Geographical, Earth, and Ecological sciences, published by Engineering Information, a subsidiary of Elsevier. The broad subject coverage includes earth sciences, ecology, geomechanics, human geography, physical geography, social geography and oceanography. Records are indexed according to the GEOBASE Thesaurus.

GeoRef

GeoRef, published by the American Geosciences Institute (AGI), contains regional databases covering the global geological sciences, including In Process, CanGeoRef, AusGeoRef, the Deep Sea Drilling Project, and abstract records from geoscience journals, books, maps and conference papers. The content is enriched by geoscientists applying current geologic terminology and latitude/longitude location data to individual records. Records are indexed according to the GeoRef Thesaurus.

CBNB

The Chemical Business NewsBase (CBNB) is a leading provider of worldwide chemical business news. CBNB covers timely information essential for tracking trends and developments in the chemical and chemical engineering industry. CBNB contains financial and business data from influential chemical companies, the latest industry R&D news, intelligence on government legislation changes, and analysis of economic trends.

Chimica

Chimica covers engineering literature abstracts created specifically for chemistry and chemical engineering research. Chimica indexes the most influential chemistry journals, and weekly updates keep engineers current with the latest developments in their field.

PaperChem

PaperChem is one of the pulp and paper industry's most important resources for news and information. It covers more than 50 years of targeted literature and reports across 15 subject areas.

Patents Plus

Patents Plus in Engineering Village is an integrated database that currently features patent offices including China (CN), Europe (EP), Germany (DE), Japan (JP), the United Kingdom (GB), the United States (US), and the World Intellectual Property Organization - WIPO (WO). Patents Plus is enhanced with Compendex subject indexing.

Unclassified Reports, NTIS

The National Technical Information Service database is the premier source of federally-funded scientific, technical, and engineering information from over 240 US and international government agencies. The NTIS database dates back to 1899, covers over 350 subject areas, and is the preeminent resource for identifying the latest research sponsored by the United States and select foreign governments.

To find out more, please contact customer support via the Support link within Engineering Village.

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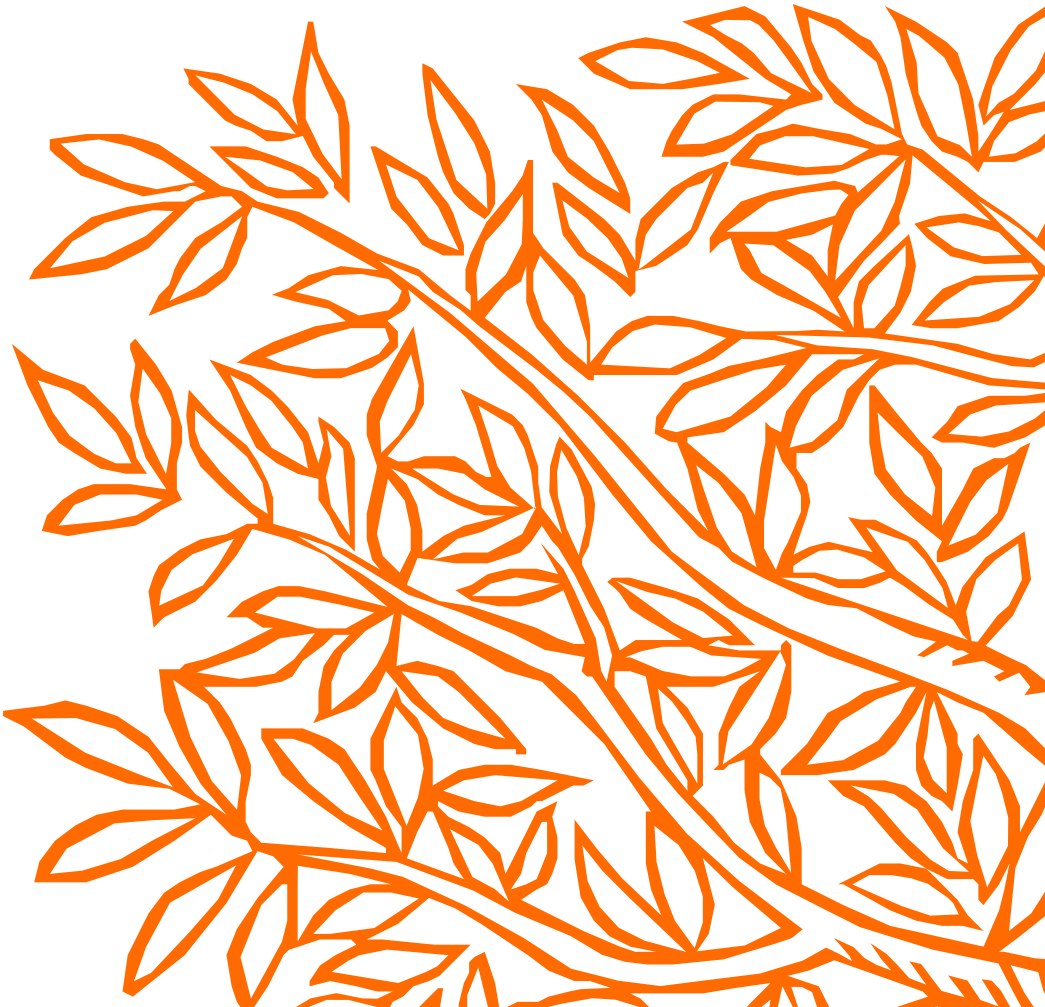

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