

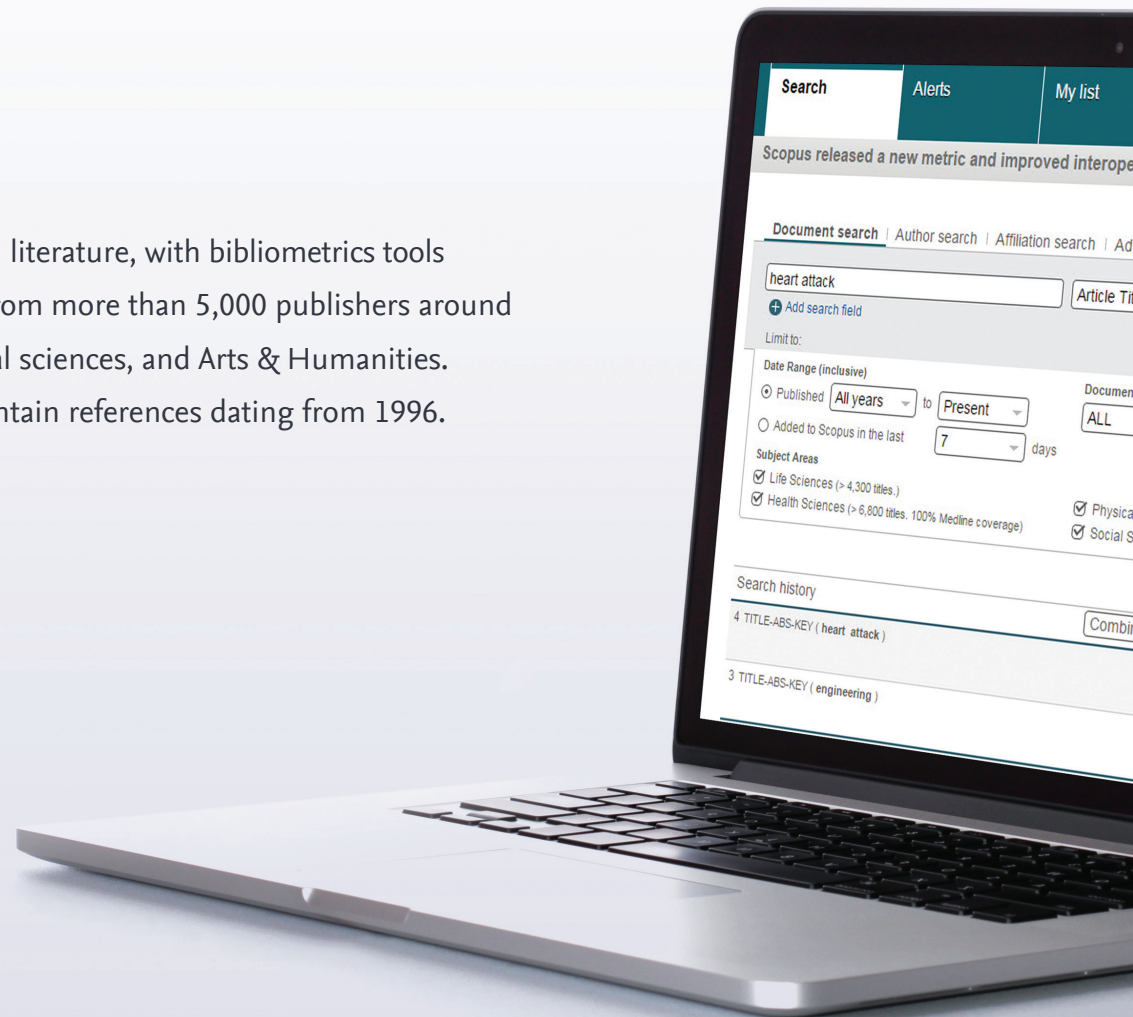
# Scopus

## Quick Reference Guide

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## An eye on global research.

**Scopus** is the largest abstract and citation database of peer-reviewed literature, with bibliometrics tools to track, analyze and visualize research. It contains over 22,000 titles from more than 5,000 publishers around the world, covering the fields of science, technology, medicine, social sciences, and Arts & Humanities. Scopus has 55 million records dating back to 1823, 84% of these contain references dating from 1996.



[www.elsevier.com/scopus](http://www.elsevier.com/scopus)

# Document Search / Starting a Search

## 1 Document Search

This tab is the main search window of the homepage. To begin, enter the search terms in the space provided. (See page 13 for input rules for search terms).

## 2 Author Search

Choose the *Author search* tab to search for a specific author by name or by ORCID (Open Research and Contributor Identifier) ID.

## 3 Affiliation Search

Choose the *Affiliation search* to search for a specific affiliation.

## 4 Browse Sources

Browse an alphabetical list of all journals, book series, trade publications, and conference proceedings available in Scopus.

## 5 Compare Journals

Opens up Compare Journals (see details on page 9).

## 6 Boolean Operators

Select from AND, OR, AND NOT to combine search terms.

## 7 Search Items

Select which fields you wish to search.

## 8 Add Search Field

To search using multiple keywords and search items, click *Add search field* button.

## 9 Limit to Section

Control search by limiting to: published years, recently added, document type and subject areas.

## 10 Search History

When you return to the search window after carrying out a search, your search history will be displayed at the bottom. The search history is cleared for each new session.

With Scopus, you can easily start your search from the homepage. Ensure that you quickly access the article you want by using the detailed search options offered.

The screenshot shows the Scopus search homepage. At the top, there are tabs for 'Search', 'Alerts', and 'My list'. Below the tabs is a banner for a new metric and interoperability with SciVal. The main search area is divided into sections: 'Document search' (highlighted with callout 1), 'Author search' (callout 2), 'Affiliation search' (callout 3), and 'Advanced search' (callout 4). The 'Document search' section includes a search input field (callout 5) with the text 'heart attack', a dropdown for search fields (callout 6) set to 'Article Title, Abstract, Keywords', and a search button (callout 7). Below this is a section for combining search terms (callout 8) with a dropdown set to 'AND' and a 'Search for...' input field. There is also an 'Add search field' button (callout 9) and a 'Reset form' button. The 'Limit to' section (callout 10) includes options for 'Date Range (inclusive)' (radio buttons for 'Published' and 'Added to Scopus in the last' days), 'Document Type' (dropdown set to 'ALL'), and 'Subject Areas' (checkboxes for 'Life Sciences', 'Health Sciences', 'Physical Sciences', and 'Social Sciences & Humanities'). The 'Search history' section (callout 11) shows a list of previous searches, including '2 TITLE-ABS-KEY ( heart attack )' and '1 TITLE-ABS-KEY ( engineering )'. The 'Combine queries' bar (callout 12) allows users to combine queries using the # symbol and AND, OR, and AND NOT operators. The bottom right shows the number of document results for each search: 25,960 for the first search and 1,532,542 for the second.

## 11 Combine Queries

In the *Combine queries* bar in *Search history*, you can enter the list number of each search you want to combine, using the # symbol and the AND, OR, and AND NOT operators.

## 12 Set Alerts or RSS Feeds

Hover over a search result in *Search history* and click on the icons that appear: *Set alert* (to receive email alerts), *Set feed* (to receive RSS updates), *Save query*, *Edit query*, or *Delete query*.

# Document Search / Sorting Options & Refining a Search

## 1 Set Alert

Notifies you by email or RSS feed when a new article that matches your search conditions is listed (requires login).

## 2 Analyze Search Results

Click to see an analysis of your results, showing the number of documents broken down by various criteria, including year, source, author, affiliation, and so on.

## 3 Number of Search Results

Displays the number of documents results.

## 4 Search within Results

Add additional terms to your search by directly entering them here.

## 5 Results

Use the *Refine Results* pane to limit your results list to certain categories of documents. For example, you can limit the display to documents from a certain author, or those published in a certain year. You can also exclude certain documents from the results list.

## 6 Batch Processing Results

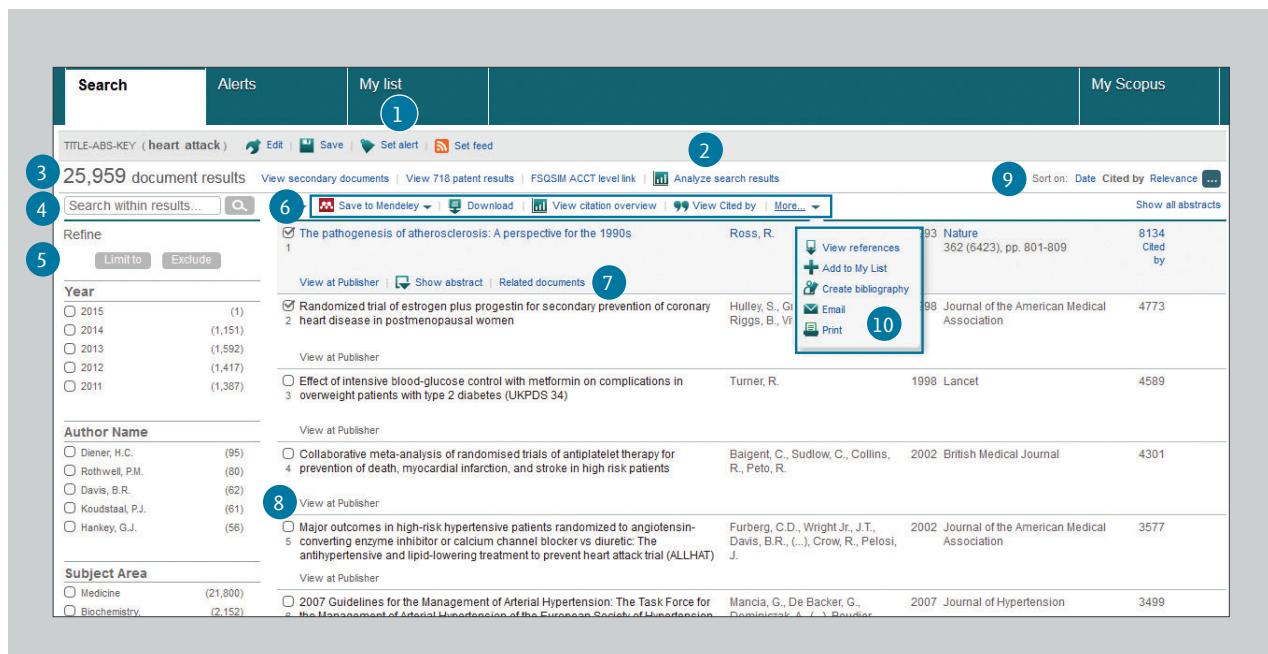
**Export** bibliographic information using reference managers Mendeley or RefWorks, or in file formats RIS, CSV, BibTex or Text. If you are using RefWorks, you can link seamlessly by embedding your RefWorks ID/PW in the My settings menu.

**Download** multiple PDF files and automatically assign them names based on specified rules. The file names can be a combination of author, publication year, article title, journal, and more. The maximum number of files you can download at one time is 50 if PDF is available. Java required.

**View citation overview** to analyze documents that cite the selected articles.

**View cited by** displays all documents that cite the selected articles.

**More** (see bullet 10)



## 7 Display Document Details Page

Click the article title to view the document details (the abstract and referenced works) of the article. Hovering over a search result will show the following links:

- [View at Publisher](#)
- [Show abstract](#)
- [Related documents.](#)

## 8 Link to Full Text

By clicking *View at Publisher*, you can link to the full text on each publisher's website if authorized.

## 9 Sort Options

By default, search results are listed by date. Sort on Cited by, relevance, author name and source title (in green box) are options.

## 10 More

**View references:** Displays all documents referenced by the article.

**Add to my list:** Adds the articles to a temporary list. Later, you can check them from the *My List* menu or save the list under a new name.

**Create bibliography:** Change the output to typical reference list format.

**Email:** Sends the articles as an email.

**Print:** Displays the articles in a format suited for printing.

# Mendeley / Using Abstract Pages

## 1 Link to Full Text

By clicking *View at Publisher*, you can link to the full text on each publisher's website.

## 2 Link to Author Details Page

Links to author's details page.

## 3 Keywords

Author keywords and keywords assigned from thesauri are shown in the *Author keywords* and *Indexed keywords* fields.

## 4 References

A list of references cited by this article are displayed in the *References* field. You can use links from here to the abstract pages.

## 5 Save to Mendeley

If the user has selected Mendeley as a preferred reference management tool, a 'Save to Mendeley' icon will show up in the abstract page. If this button is selected, a new pop-up screen appears with the various reference managers.

## 6 Citing Documents

In the *Cited by since 1996* field, the most recent two works to cite this article are shown. You can also display all documents.

## 7 Document Citation Alert

Set to alert you via email (*Set alert*) or RSS feed (*Set feed*) when this document is cited in another article (requires login).

## 8 Search for Related Articles

Search for articles sharing the same references, authors, or keywords as this article.

## 9 Mendeley Readership Statistics

Show how many times Mendeley users have downloaded a specific article to their libraries. Additionally, it shows a demographic breakdown by discipline, academic status and country of origin. These statistics appear when Mendeley users have saved the document in their collections.

## 10 Altmetric for Scopus

Altmetric is a 3rd party web application which allows you to see all of the social or mainstream media mentions gathered for a particular paper as well as reader counts on popular reference managers. It will only appear in the sidebar when there is data available for the article that you are currently viewing.

The screenshot displays a Mendeley abstract page for the article "Next-generation DNA sequencing" by Shendure, J. et al. The page is annotated with numbered callouts 1 through 10, corresponding to the features described in the adjacent text blocks. Callout 1 points to the 'View at Publisher' link. Callout 2 points to the 'View at Publisher' link for the author. Callout 3 points to the 'Keywords' field. Callout 4 points to the 'References' field. Callout 5 points to the 'Save to Mendeley' button. Callout 6 points to the 'Cited by since 1996' field. Callout 7 points to the 'Set alert' and 'Set feed' links. Callout 8 points to the 'Search for related articles' link. Callout 9 points to the 'Mendeley Readership Statistics' section. Callout 10 points to the 'Altmetric for Scopus' section.

**Search** Alerts My list 5 My Scopus

Back to results | 1 of 856 Next >

View in Engineering Village | View in EMBASE | View at Publisher | Save to Mendeley | Download | More >

**1** Nature Biotechnology  
Volume 26, Issue 10, October 2008, Pages 1135-1145

**2** Next-generation DNA sequencing (Review)  
Shendure, J. <sup>a</sup>, Ji, H. <sup>b</sup>

<sup>a</sup> Department of Genome Sciences, University of Washington, Foege Building 5-250, Box 355065, 1705 NE Pacific St., Seattle, WA 98195-5065, United States  
<sup>b</sup> Stanford Genome Technology Center, Dept. of Medicine, Stanford University School of Medicine, 269 Campus Drive, Stanford, CA 94305, United States

**3** Abstract  
DNA sequence represents a single format onto which a broad range of biological phenomena can be projected for high-throughput data collection. Over the past three years, massively parallel DNA sequencing platforms have become widely available, reducing the cost of DNA sequencing by over two orders of magnitude, and democratizing the field by putting the sequencing capacity of a major genome center in the hands of individual investigators. These new technologies are rapidly evolving, and near-term challenges include the development of robust protocols for generating sequencing libraries, building effective new approaches to data-analysis, and often a rethinking of experimental design. Next-generation DNA sequencing has the potential to dramatically accelerate biological and biomedical research, by enabling the comprehensive analysis of genomes, transcriptomes and interactions to become inexpensive, routine and widespread, rather than requiring significant production-scale efforts. © 2008 Nature Publishing Group.

**4** Indexed keywords  
Engineering controlled terms: DNA; DNA sequences; Genes; Network protocols; Nucleic acids  
Engineering uncontrolled terms: Biological phenomena; Biomedical research; Comprehensive analysis; Data collections; Experimental Design; High throughputs; New approaches; New technologies; Orders-of-magnitude; Parallel-DNA; Transcriptomes  
Engineering main heading: Organic acids  
EMTREE drug terms: DNA; transcriptome  
EMTREE medical terms: amplicon; analytical equipment; bioinformatics; biotechnology; computer program; cost benefit analysis; data analysis; DNA hybridization; DNA screening; DNA sequence; fluorescence resonance energy transfer; genome analysis; genomics; high throughput screening; medical research; nucleotide sequence; polymerase chain reaction; practice guideline; priority journal; protein DNA binding; qualitative analysis; review; sequence analysis; standard  
MeSH: Chromosome Mapping; Forecasting; Genomics; Sequence Alignment; Sequence Analysis; DNA  
Medline is the source for the MeSH terms of this document.

**5** Manufacturers: Device manufacturer: Atmetrix, United States; Applied biosystems, United States; Lower, United States; Helicos, United States; Illumina, United States; Lynx, United States; Mantaia predictive medicine, Switzerland; Pacific biosciences, United States; Perlegen, United States; Roche Applied Science, Switzerland; Roche Nimblegen, United States; Solexa, United Kingdom; Visigen, United States.

ISSN: 10870156 CODEN: NABIF Source Type: Journal Original language: English  
DOI: 10.1038/nbt1496 PubMed ID: 18546587 Document Type: Review

**6** Cited by 1390 documents  
Refinement of biodegradation tests methodologies and the proposed utility of new microbial ecology techniques  
Kowalczyk, A., Martin, T.J., Price, O.R. (2015) Ecotoxicology and Environmental Safety  
PERGA: A paired-end read guided de novo assembler for extending contigs using SVM and look ahead approach  
Zhu, X., Leung, H.C.M., Chin, F.Y.L. (2014) PLOS ONE  
Detection of UV-induced mutagenic thymine dimer using graphene oxide  
Chung, C.H., Kim, J.H., Chung, B.H. (2014) Analytical Chemistry  
View all 1390 citing documents

**7** Inform me when this document is cited in Scopus:  
Set citation alert | Set citation feed  
Cited by patents 39 times

**8** Related documents  
Next-generation sequencing: From basic research to diagnostics | "Next-generation sequencing": Dalla ricerca di base alla diagnostica  
Voelkerding, K.V., Dames, S.A., Dutschke, J.D. (2010) Biochimica Clinica  
Next-generation sequencing: from basic research to diagnostics  
Voelkerding, K.V., Dames, S.A., Dutschke, J.D. (2009) Clinical Chemistry  
Utilization of next-generation sequencing platforms in plant genomics and genetic variant discovery  
Deschamps, S., Campbell, M.A. (2010) Molecular Breeding  
View all related documents based on references

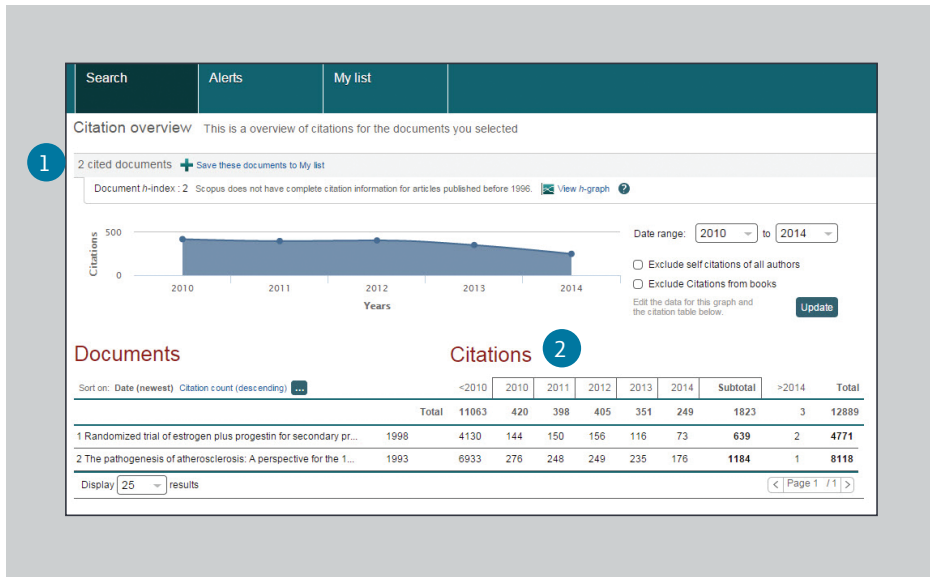
**9** Mendeley Readership Statistics  
22347 people have saved this article to Mendeley  
Top disciplines  
Biological Sciences: 88%  
Medicine: 3%  
Computer and Information Science: 2%  
Top demographics  
Ph.D. Student: 24%  
Student (Bachelor): 17%  
Student (Master): 17%  
Top countries  
United States: 2%  
Brazil: 1%  
Germany: 1%  
Save to Mendeley | View this article in Mendeley

**10** Altmetric for Scopus  
Up to now this article has been mentioned 12 times by 9 sources.  
Sources  
1 Facebook user  
4 science blogs  
1 Google+ user  
1 news outlet  
2 tweeters  
Saved to reference managers  
112 CiteULike 0 Mendeley

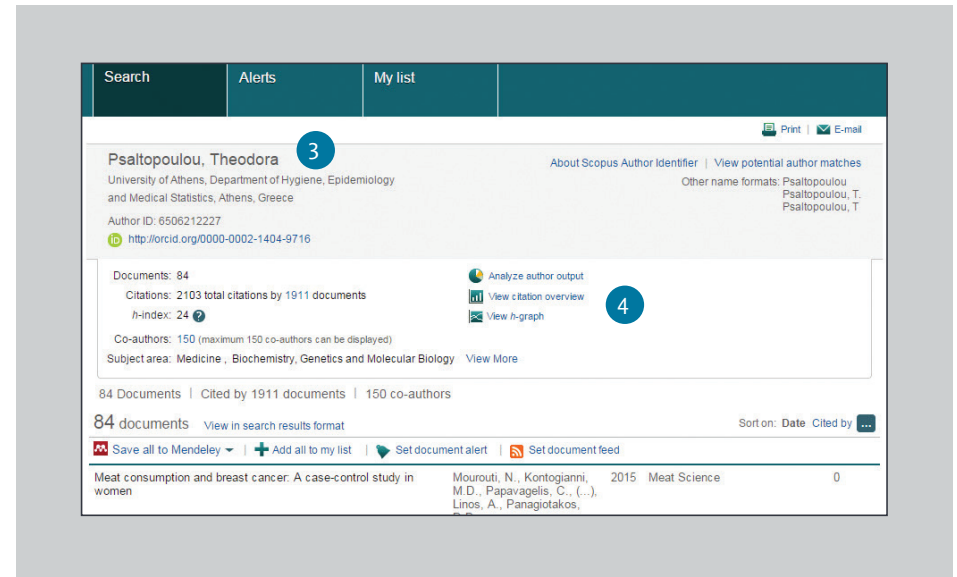
**4** References (97)  
First 80 references displayed (View all references)  
Page | Save to Mendeley | Print | E-mail | Create bibliography  
1 Hutchison III, C.A.  
DNA sequencing: Bench to bedside and beyond  
(2007) Nucleic Acids Research, 35 (18), pp. 6227-6237. Cited 94 times.  
doi: 10.1093/nar/gkm688  
View at Publisher  
2 Sanger, F.  
Sequences, sequences, and sequences  
(1988) Annual Review of Biochemistry, 57, pp. 1-28. Cited 73 times.  
View at Publisher  
3 Sanger, F., Air, G.M., Barrell, B.G.  
Nucleotide sequence of bacteriophage phiX174 DNA  
(1977) Nature, 265 (5596), pp. 687-695. Cited 521 times.  
doi: 10.1038/265687a0  
View at Publisher



# Analysis / Citation Overview



- 1 Cited Documents**  
Includes the number of times the documents were cited by publication year. You can view, print, or export a list of the cited documents.
- 2 Total Citations**  
Per reference, total citation counts by year.



- 3 View Citation Overview on Author Profile**  
The same display option is available at the Scopus author profiles: Author name, Affiliation, Name, Country, Document type, and Subject area.
- 4 View Citation Overview**  
Analyze citations by clicking *View citation overview*. This will display, in table format, the number of citations per year for each article. This multipurpose tool allows you to see at a glance the citation trend for any given article.

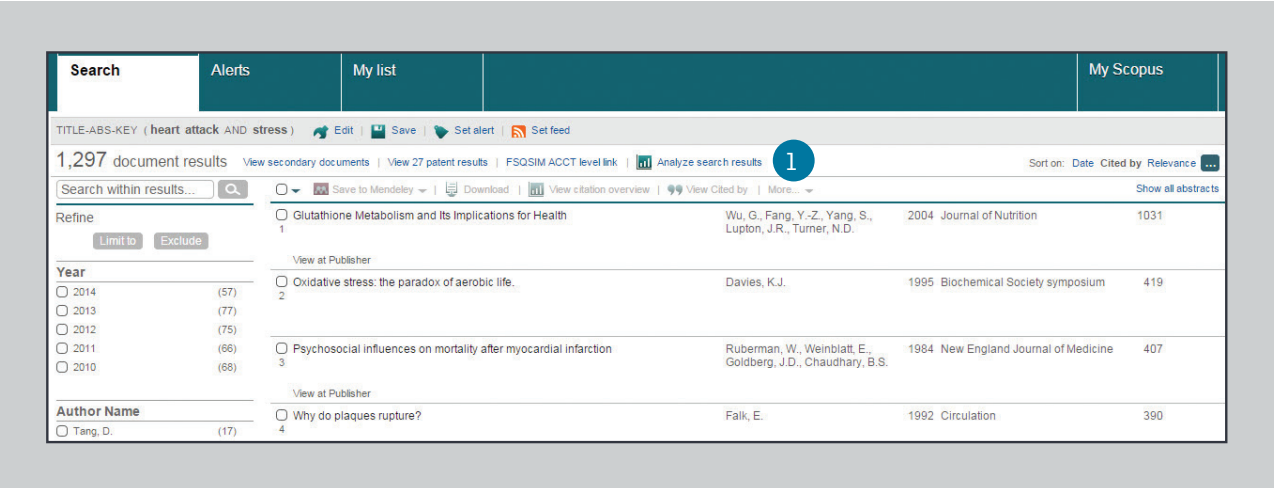
# Analysis / Analyze Search Results

On a given search, users can click the *Analyze search results* button and a window opens with several tabs. Each tab in the Analyze search results window contains a set of graphical displays and charts that can be manipulated to better understand the search metrics. Additionally, the graphics offer contextual boxes that provide insight into specific points along the graph.

- 1

**Analyze Search Results**

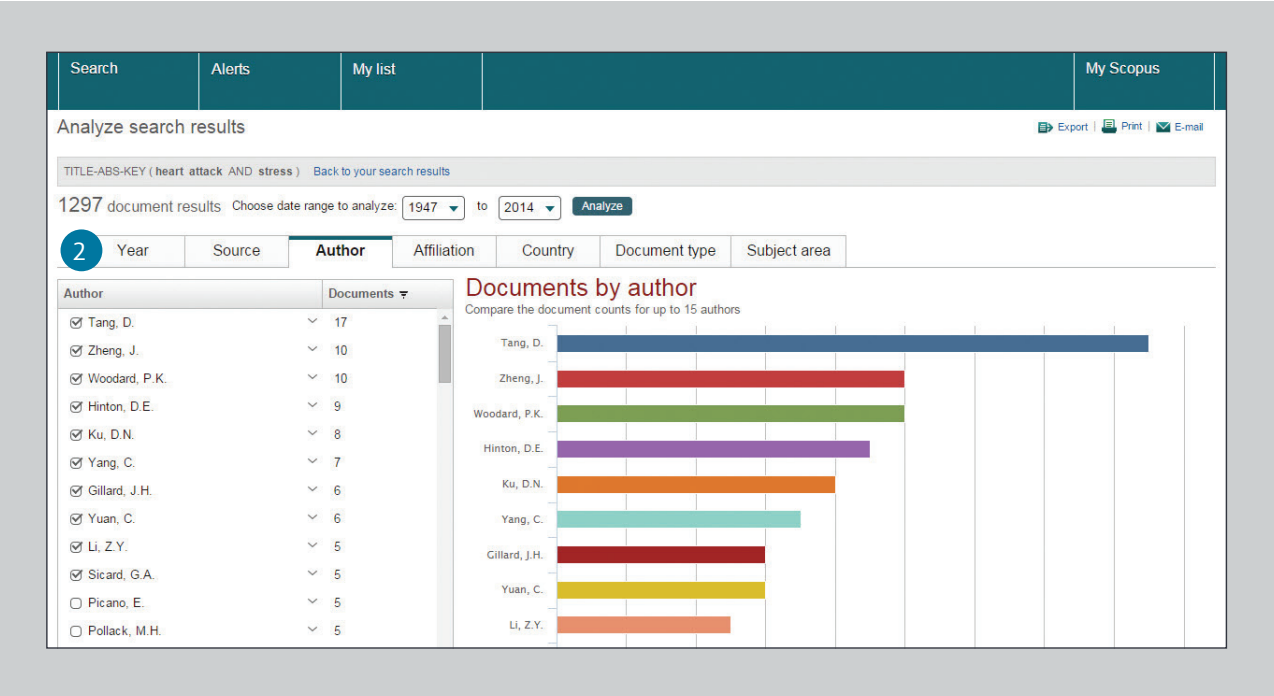
The link to *Analyze search results* can be found on the Results page.



- 2

**Search Metrics**

Search metrics are organized by the following: Year, Source, Author, Affiliation, Country, Document type and Subject area.



# Compare Journals

## 1 Analytics

Click the Compare journals tab on the homepage to start.

## 2 Search for Journals

Search by entering part of the candidate journal name in the *Search* box.

## 3 Evaluation Indices

Compare and evaluate the journals from various perspectives.

**SJR (SCImago Journal Rank):** Using an algorithm similar to that for Google® PageRank, this prestige metric index weighs citations by the quality of the citing journal and allows comparison between fields.

### SNIP (Source Normalized Impact per Paper):

Taking the ease of citation by field into account, this index adjusts the citation ratio and allows comparison between journals in different fields.

**Citations:** The total number of citations a journal receives per year.

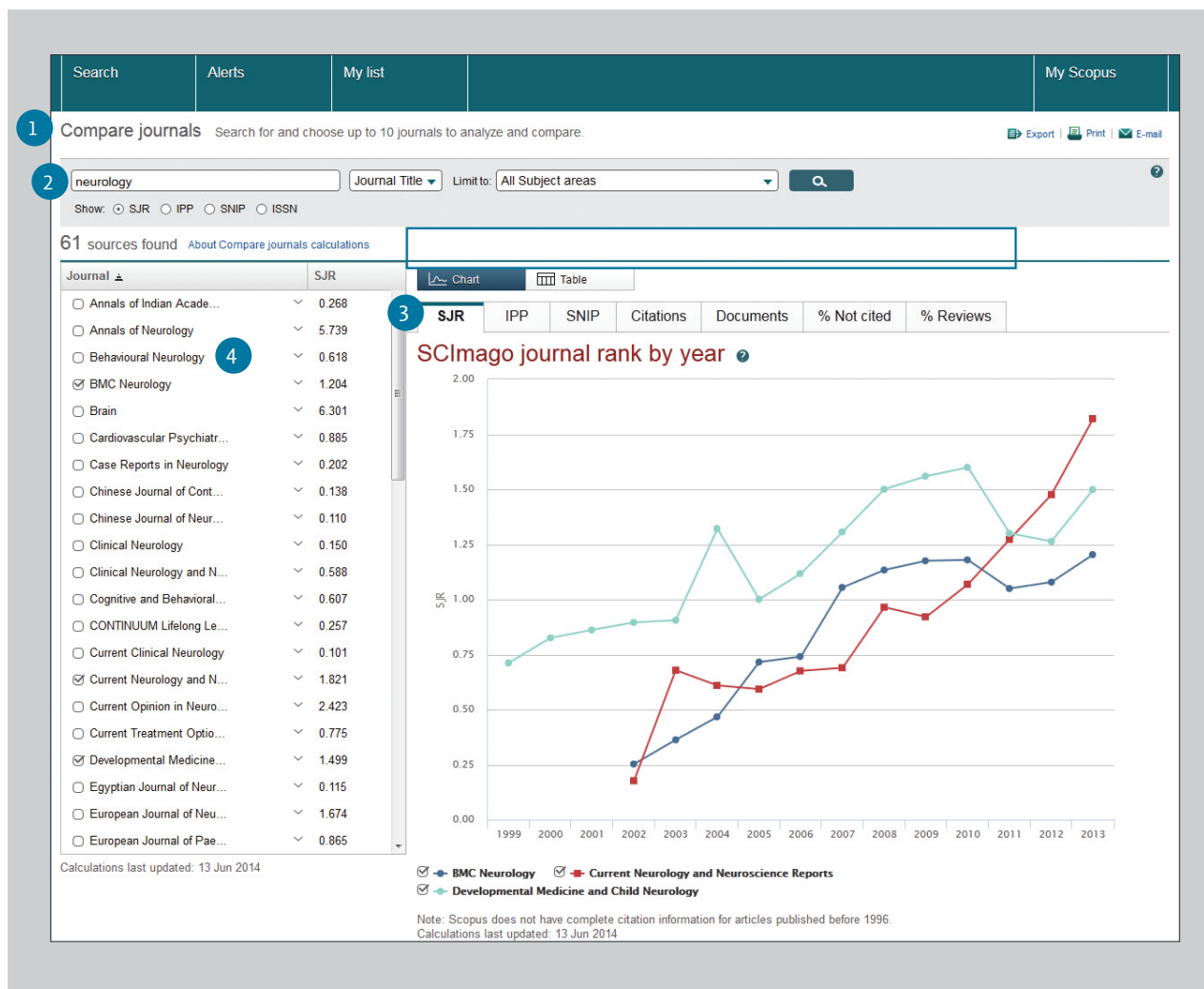
**Documents:** The total number of articles published by a journal per year.

**% Not Cited:** The percentage of articles published each year that have not been cited previously.

**% Reviews:** The percentage of articles in a journal that are categorized as a review type article.

## 4 Select Journal

Click on the journal you wish to compare from the search results or drag and drop it to the right-hand frame. You can select up to 10 titles.



For more information visit [www.journalmetrics.com](http://www.journalmetrics.com)



# Author Tools / Starting an Author Search & Author Profile

Scopus allows you to analyze citation metrics on authors as well as specific articles by an author. From the author ID you can display all articles by that author, documents that cite the author, h-index and more.

## 1 Author Search

Select *Author search* tab to search by author name.

## 2 Author Name

Enter surname and initials or given name of author in the *Author* fields and a list of authors that may match will be shown. You can also search in combination with his/her affiliation.

## 3 ORCID ID

Search for authors using an ORCID ID.

The screenshot shows the Scopus Author Search interface. At the top, there are tabs: Search, Alerts, My list, and My Scopus. Below the tabs, a banner reads "Scopus released a new metric and improved interoperability with SciVal. Read the blog." The main search area has four tabs: Document search, Author search (selected), Affiliation search, and Advanced search. There are also links for "Browse Sources" and "Compare journals". The search fields include: "Author Last Name..." (with a callout 2), "Author Initials or First Name..." (with a callout 2), "Affiliation..." (with a callout 2), and "ORCID ID..." (with a callout 3). A "Show exact matches only" checkbox is present. Below the search fields, there is a "Limit to:" section with checkboxes for "Subject Areas" (Life Sciences, Health Sciences, Physical Sciences, Social Sciences & Humanities). A callout 1 points to the "Author search" tab. A callout 2 points to the "Author Last Name" field. A callout 3 points to the "ORCID ID" field. A callout 4 points to the "Show exact matches only" checkbox. A small text box on the right explains the Scopus Author Identifier algorithm.

## 4 Display Author Profile

Click on the author's name to see the author profile. Hover over the author's name and *View last title* and *Documents* for this author will appear.

The screenshot shows the Scopus Author Profile page for the author "looker". At the top, there are tabs: Search, Alerts, My list, and My Scopus. Below the tabs, the author's name "looker" is displayed with an "Edit" link. The page shows "32 of 67 author results". There are links for "Show Profile Matches with One Document" and "About Scopus Author Identifier". The "Sort on:" dropdown is set to "Document Count". The "Show exact matches only" checkbox is selected. The "Refine" section has "Limit to" and "Exclude" buttons. The "Source Title" section shows "Notes and Queries" (6). The author's profile information is displayed: "looker, Anne C.", "looker, Anne C.", "looker, Anne", "looker, A.". The author's metrics are shown: "104 Medicine - Biochemistry, Genetics and Molecular Biology", "Agricultural and Biological Sciences; ...". The author's affiliation is "National Center for Health Statistics", "Hyattsville", "United States". A callout 4 points to the "Show exact matches only" checkbox.

# Author Tools / Author Details

## 1 Author Profile

Displays the author's articles, affiliation, ORCID ID, documents that cite the author, *h*-index, and can analyze the citations.

## 2 Documents

In the *Documents* field, check all articles by this author. Click on the *Analyze author output* link to view the author's research results (such as documents and *h*-index) as graphs.

## 3 Citations in Other Documents

In the *Citations* field, check which documents cite this author's articles. Analyze the citations of all this author's articles from *View citation overview*.

## 4 *h*-index

This is an index that evaluates the author from the number of published works and number of citations in other documents, and is shown as *h* for articles that have been cited more than *h* times since 1996. This can be displayed as a graph by clicking on *View h-Graph*.

## 5 Tabs

The three tabs show Documents, Cited By documents and 150 co-authors.

## 6 Follow this author

Login to set an alert to receive new documents published by this author. Login to set an *Author Citation Alert* email when author's articles are cited.

## 7 ORCID

Add documents to your ORCID profile and/or create your ORCID profile.

The screenshot displays the Scopus Author Details page for Theodora Psaltopoulou. The page is organized into several key sections:

- Author Profile:** Displays the author's name, affiliation (University of Athens, Department of Hygiene, Epidemiology and Medical Statistics, Athens, Greece), ORCID ID (6506212227), and a list of documents.
- Documents:** Shows 84 documents, 2103 total citations by 1911 documents, and an *h*-index of 24. It includes links to 'Analyze author output', 'View citation overview', and 'View h-graph'.
- Citations:** Shows 150 co-authors (maximum 150 co-authors can be displayed) and the subject area: Medicine, Biochemistry, Genetics and Molecular Biology.
- h-index:** Provides a graph of the *h*-index over time.
- Graph:** A bar chart showing the number of documents published and a line graph showing the number of citations received from 2004 to 2015.
- Follow this Author:** Includes links to 'Get citation alerts', 'Add to ORCID', and 'Request author detail corrections'.
- Author History:** Shows the publication range (1999-2015) and references (2638).
- Source history:** Lists journals such as 'British Journal of Cancer', 'Hellenic Journal of Cardiology', and 'Journal of Psychiatric Research'.
- Show Related Affiliations:** A link to view related affiliations.

## 8 Request author detail correction

You can request for a correction of the author profile e.g. to update the affiliation you are based on.

## 9 Graph

The graph shows the number of documents published by the author and the number of citations received in the 10 most recent years. Clicking on a data point on the graph shows a list of documents and citations.

# Registration / Using Personal Functions

By registering as a user, you are able to set up useful personal functions such as email alerts. Your username and password are the same as for ScienceDirect and Engineering Village. You only need a single sign-on.

## Login

If you already have a username and password then click *Login* and enter them in the *Login* box. If you check *Remember me*, your login information will be stored in your computer and you will be permanently logged in.

## User Registration

To register as a new user, click *Register*. Enter the required information, such as your name and email address, in the registration window.

## Alerts

You can create and manage email alerts to stay up to date in your field.

- Search Alert
- Author Citation Alert
- Document Citation Alert

## Check My List

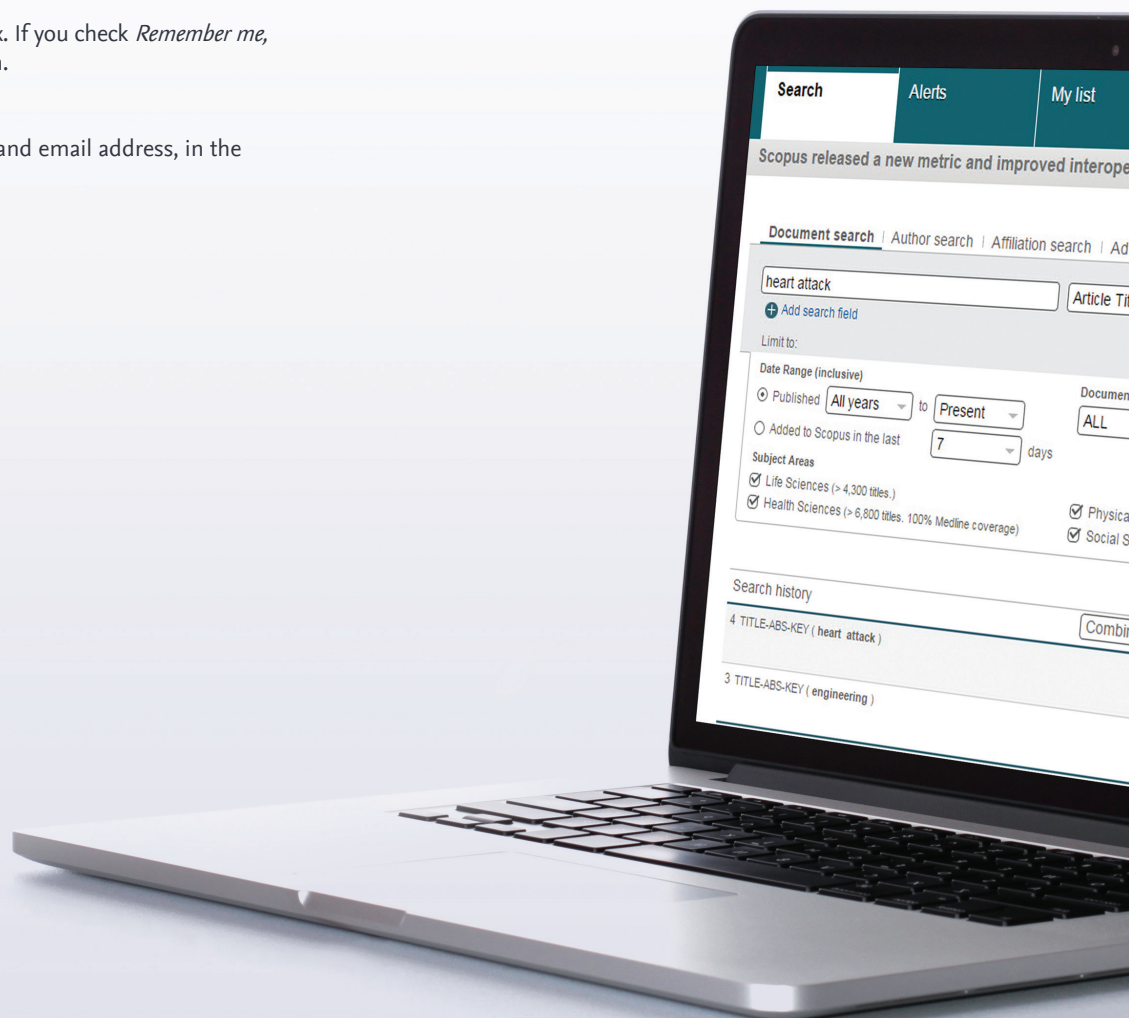
You can check your articles in the temporary list or the list you saved.

## Change Individual Settings/Password

You can change your email address, RefWorks username/password, and more in the *My Settings* menu (by clicking *My Scopus*).

## Customize

Registered users can customize the look and functionality of their Scopus search experience.



# Search Term Rules

## General Rules

Not case sensitive

Entering singular nouns will also search for plural nouns and possessives (with some exceptions)

Entering either variation of Greek letters ( $\alpha$  OR alpha,  $\beta$  OR beta) will search for both variations

Entering either British or American spellings (colour, color, or tyre, tire) will search for both variations

## Phrase Search

Multiple words set off by spaces will be processed with the AND operator.

To search as a phrase, enclose it in double quote marks or curly brackets.

- **Double quotes “ ” will search for fuzzy phrases.**  
It will also search for both singular and plurals (with some exceptions). Symbols are ignored. Wildcards can be used.  
“heart-attack” will search for *heart-attack*, *heart attack*, *heart attacks*, and so on
- **Curly brackets { } will search for a specific phrase.**  
It limits the search to only the specified character string, and symbols can be used.  
{heart-attack} will only search for *heart-attack*

## Wildcards

\* replaces any number of characters, *toxi\** will search for *toxin*, *toxic*, *toxicity*, *toxicology*, and so on

? replaces only one character *sawt??th* will search for *sawtooth* and *sawteeth*

## Logical operators and proximity operators

And searches for articles containing both words *food* and *poison*

Or searches for articles containing either or both words *weather* or *climate*

And Not searches for articles that do not contain the following words *tumor* and not *malignant*

W/n restricts to n words between the two words, the word order is not set *Pain W/5 morphine*

Pre/n restricts to n words between the two words, the word order is as set *newborn PRE/3 screening*

Operator priority order (it is possible to change the priority order by using parentheses)

1. OR 2. W/n or PRE/n 3. AND 4. AND NOT

Find announcements about product releases as well as exploration of product features and content on [blog.scopus.com](https://blog.scopus.com)

For more information on searching, see the in-product help files or visit [www.elsevier.com/scopus](https://www.elsevier.com/scopus)

