



# NUMBER OF REFERENCES, CITATION, H-INDEX

## Proposal for a procedure in *Scopus*

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## 1 Introduction

This document presents a possible way forward, succinct, to obtain from *Scopus*, the [number of references](#), [number of citations](#), and [H-index](#).

**Warning:** the procedure below is a possible **example** to obtain bibliometric indicators. The commercial databases taken into consideration index different journals and have different ways of counting / considering the measured quantities, and above all, count differently the authors cited; the results are therefore likely to vary widely depending upon the research conducted.

The *Département des bibliothèques et de l'information scientifique* cannot be held responsible if the data obtained by following the procedures described in this document do not conform to the expectations of policymakers who have required these data.

## 2 Number of references, citations and H-index in Scopus

### 2.1 First step: search for the author

The example deals with a particular author: *Smith, James L.*

Starting page of Scopus: <http://www.scopus.com/home.url> (access from the ULB campus, or via EZproxy, remotely).

Select the second tab: *Author*

Scopus Search Sources Alerts Lists Help ▾ SciVal ↗

Document search

Documents **Authors** Affiliations Advanced

Search Article title, Abstract, Keywords ▾ +

E.g., "heart attack" AND stress

> Limit

Reset form Search Q

Enter the name as shown in the example below:

Documents Authors Affiliations Advanced

Author last name

e.g. Smith

Author first name

e.g. J.L.

Affiliation

e.g. University of Toronto

Show exact matches only

 ORCID

e.g. 1111-2222-3333-444x

Search Q

The result may be precided, before lauching the search, by “*show exact matched only*”.

Search results above can also be precised by using the proposed facets on the left of the screen, such as title, affiliation, city, country, subject ...

Then click on the name of the corresponding author for the author you search for.

## 902 author results

About Scopus Author Identifier >

Author last name "Smith", Author first name "J.L."

 Edit

Show exact matches only

Refine results

Source title

Annals Of Tourism Research (24) >

Plos One (22) >

Proceedings Of The National Academy Of Sciences Of The United States Of America (22) >

Journal Of Biological Chemistry (19) >

Nature (18) >

View more

Affiliation

University of Waterloo (47) >

Ohio State University (10) >

The University of Sydney (10) >

University of Minnesota Twin Cities (9) >

Argonne National Laboratory (7) >

View more

Sort on: Document count (high-low) v

All v Show documents View citation overview Request to merge authors

	Author	Documents	Subject area	Affiliation	City	Country/Territory
<input type="checkbox"/> 1	Smith, James L. Smith, J. L. Smith, James L. Smith, J.	420	Physics and Astronomy ; Materials Science ; Engineering ; ...	Argonne National Laboratory	Argonne	United States
	View last title v					
<input type="checkbox"/> 2	Smith, Robin Smith, Robin L. Smith, R. Smith, Robin J.	299	Chemical Engineering ; Engineering ; Energy ; ...	University of Manchester	Manchester	United Kingdom
	View last title v					
<input type="checkbox"/> 3	Sherman, David H. Sherman, David SHERMAN, DAVID H. Smith, Janet L.	298	Biochemistry, Genetics and Molecular Biology ; Chemistry ; Immunology and Microbiology ; ...	University of Michigan, Ann Arbor	Ann Arbor	United States
	View last title v					
<input type="checkbox"/> 4	Smith, Wilbur L.F. Smith, W.	281	Medicine ; Health Professions ; Psychology ; ...	Children's Hospital of Michigan	Detroit	United States

For the author *Smith, James L.*:

## Author details

< Return to search results 1 of 902 Next >

Print Email

Smith, James L.

Follow this Author

Argonne National Laboratory, Argonne, United States

Author ID: 34367444700

View potential author matches

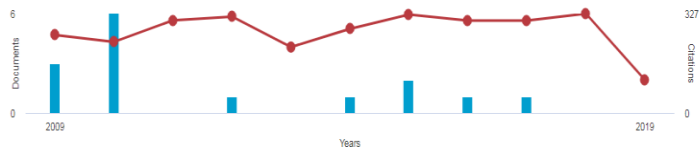
Other name formats:

Smith, J. L. Smith, James L. Smith, J.

Subject area:

Physics and Astronomy Materials Science Engineering Chemistry Multidisciplinary Energy Chemical Engineering Biochemistry, Genetics and Molecular Biology  
Earth and Planetary Sciences Mathematics Arts and Humanities

Document and citation trends:



Get citation alerts + Add to ORCID Request author detail corrections

h-index: 57

View h-graph

Documents by author

420

Analyze author output

Total citations

13152 by 8079 documents

View citation overview

420 Documents Cited by 8079 documents 150 co-authors Author history

View all in search results format >

Sort on: Date (newest)

Export all Add all to list Set document alert Set document feed

Document title	Authors	Year Source	Cited by
Piezomagnetism and magnetoelastic memory in uranium dioxide <a href="#">Open Access</a>	Jaime, M., Saul, A., Salamon, M., (...), Smith, J.L., Gofryk, K.	2017 Nature Communications 8(1),09	5

## 2.2 Number de references

The number of references attached to this author is mentioned in the *Research* section of the screen obtained after the [search of an author](#) here: 420.

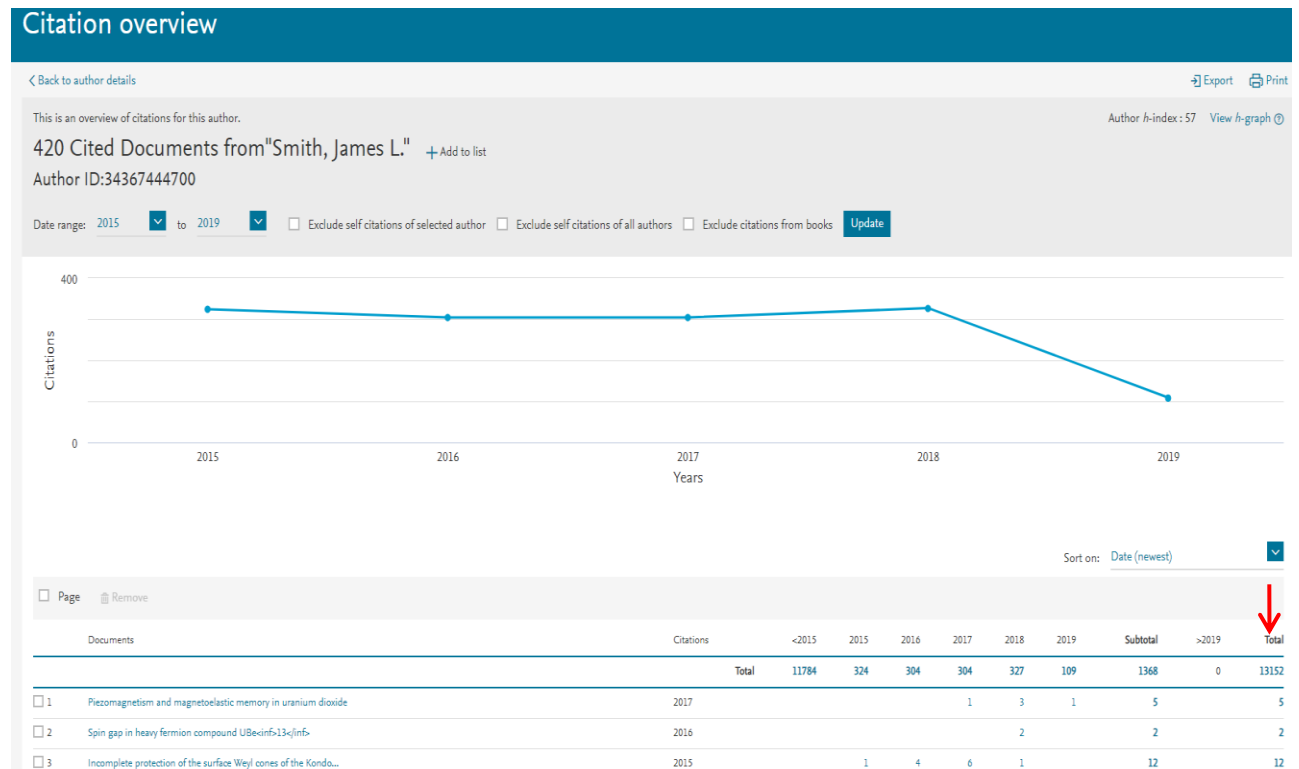
h-index: 57 [View h-graph](#)

Documents by author  
420 [Analyze author output](#)

Total citations  
13152 by 8079 documents [View citation overview](#)

## 2.3 Access to citations

Click in the screen obtained after the [search of an author](#) on *View citation overview*:



The number of citations is displayed at the top of the table, on the right, here: 13152.

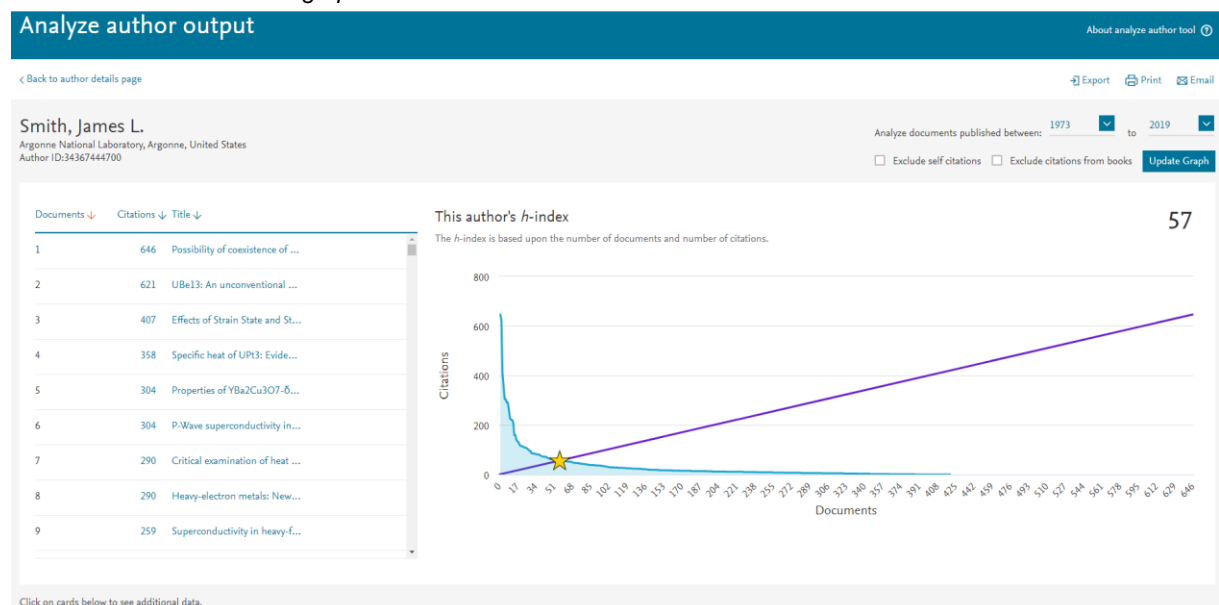
## 2.4 Access to the H-index

The *H-index* may be accessed:

- by the window on the right of the [citations screen](#)
- or by the window of the [screen results obtained after a search of an author](#)

The *H-index* value is provided at the top of the table; here: 57.

More details on the *View h-graph*:



## 2.5 Alerts or RSS feeds

To receive references/citations of an author by e-mail or via RSS, please first create a personal account through the *register* tab (Scopus).

Your registration will also give you the ability to save searches and receive the results by e-mail or RSS.

## 3 Conclusions

Some remarks in relation to these indicators:

- It may be necessary to conduct multiple searches because an author may not be recognized in these databases in a unique way!
- Carefully consider the explanations given by the database producer regarding the indicators used. For example, in Scopus, you can choose to exclude self-citations by the author himself, and / or self-citations for each author, which will result in very different indicators values!
- **All bibliometric indicators** have 'by construction' bias, comparisons of indicators between different persons or publications may be completely inappropriate.  
etc.