

Research Performance Measurement

H-INDEX

Finding Author's H-index

- Short form for highly cited index.
- This index was developed in 2005 by Jorge Hirsch.
- The h-index represents both the productivity and the impact of a particular scientist or scholar, or a group of scientists or scholars (such as a departmental or research group).

What is H-Index

A scientist has index h if h of his or her NP (number of papers) papers have at least h citations each and the other $(NP - h)$ papers have fewer than h citations each.

Formula

Lecturer A published 24 papers which are ranked in descending citation order.

Article rank position	1	2	3	4	5	6	...	→	22	23	24
Citation Count	15	10	8	7	5	4	...	→	0	0	0

Lecturer A has an h-index 5 if 5 of his 24 papers have at least 5 citations each

Example 1

Professor B published 184 papers which are ranked in descending citation order.

Article rank position	1	2	3...	→	28	29	30	...	→	183	184
Citation Count	191	139	102	→	29	29	28	...	→	1	0

Professor B has an h-index 29 if 29 of his 184 papers have at least 29 citations each

Example 2

A scientist has index h if h of his or her NP (number of papers) papers have at least h citations each and **the other (NP - h) papers have fewer than h citations each**

Professor C published 34 papers which are ranked in descending citation order.

Article rank position	1	2	3...	→	15	16	17	...	→	33	34
Citation Count	182	109	98	→	23	21	11	...	→	1	0

Professor C has an h-index 16

Example 3

A scientist has index h if h of his or her NP (number of papers) papers have at least h citations each and **the other (NP - h) papers have fewer than h citations each**

Lecturer D published 15 papers which are ranked in descending citation order.

Article rank position	1	2	3	4	5	6	7...	→	..13	14	15
Citation Count	58	51	27	18	10	4	4	→	3	1	0

Lecturer D has an h-index 5

Example 4



How to Find an Author's **h- Index Using Scopus**

Author search

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Affiliation

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(1) >	<input type="checkbox"/> 1 Nawi, N. M. Nawi, Nazmi Nawi, N. Nawi, N. M.	28	7	Universiti Putra Malaysia	Serdang	Malaysia
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1

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Author details

< Return to search results 1 of 1

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Nawi, N. M.

[View potential author matches](#)

Author ID: 57189925855

<http://orcid.org/0000-0002-5916-5745>

Affiliation(s):

Universiti Putra Malaysia, Serdang, Malaysia [View more](#)

Other name formats: [Nawi, Nazmi](#) [Nawi, N.](#) [Nawi, N. M.](#) [Nawi, Nazmi Mat](#) [Mat Nawi, Nazmi](#)

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Documents by author

28

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Total citations

191 by 160 documents

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h-index

7

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Document title	Authors	Year	Source	Cited by
The effect of crop parameters on mechanical properties of oil palm fruitlets	Rasli, A.M.M., Nawi, N.M., Ahmad, D., Yahya, A.	2019	Scientia Horticulturae 250, pp. 352-358	0
View abstract LinkSource View at Publisher Related documents				
Energy utilization in major crop cultivation	Elsoragaby, S., Yahya, A., Mahadi, M.R., Nawi, N.M., Mairghany, M.	2019	Energy 173, pp. 1285-1303	2
View abstract LinkSource View at Publisher Related documents				
Modelling and simulation of heat penetration in palm fruitlets during thermal treatment process	Shehu, U.E., Baharuddin, A.S., Nawi, N.M., Mokhtar, M.N.	2019	Food Research 3(2), pp. 145-150	0
Open Access				

Analyze author output

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Nawi, N. M.

Universiti Putra Malaysia, Serdang, Malaysia
Author ID:57189925855

User can adjust different variable (e.g. the range of dates of the documents published by the author) and recalculate the h-index.

Analyze documents published between to

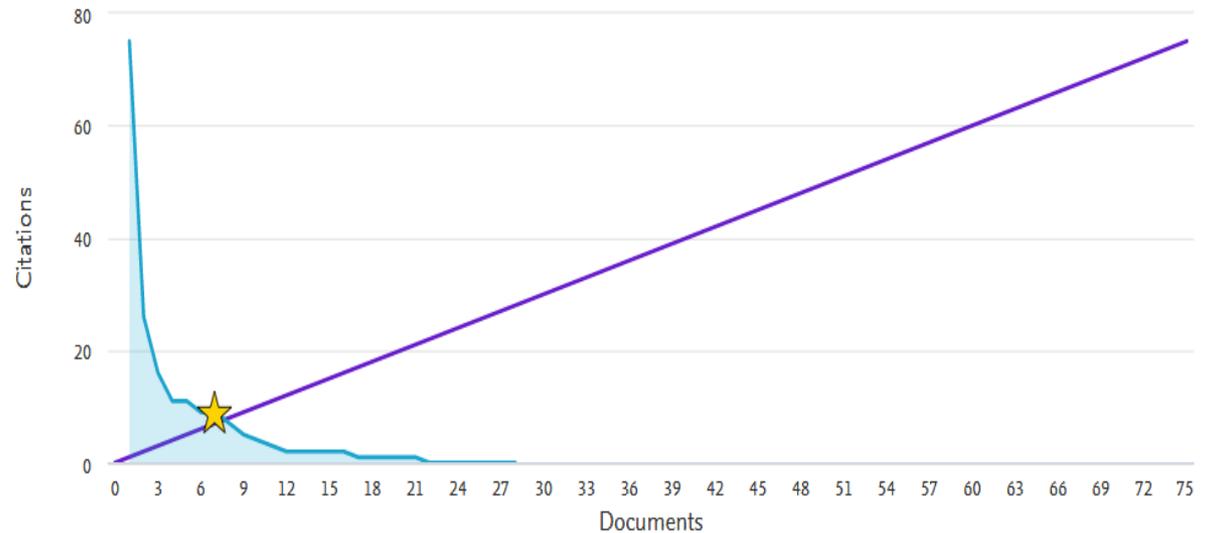
Exclude self citations Exclude citations from books

Documents Citations Title

Documents	Citations	Title
1	75	Modeling the Thin-Layer ...
2	26	Prediction and classificati...
3	16	Modelling effective moist...
4	11	Early detection of disease...
5	11	Evaluation of a suitable th...
6	9	Color change kinetics an...
7	9	Visible and shortwave nea...
8	7	In-field measurement an...
9	5	Modelling the convective ...

This author's h-index

The h-index is based upon the number of documents and number of citations.



H-index result 7