

Comparison of different measures of scientific productivity and bibliography

Oleh Shkalikov Matteo Zannini Qader Qaribiyani

TU Dresden, Computer Science Faculty

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Agenda

1 Introduction

2 Bibliometrics

- Impact factor

3 Researcher's metrics

Scientific Productivity

Scientific productivity

how much output does a scientist produce within a certain time period

The major outputs from the research :

- publications

- patents

- product developments

Bibliometric Incentive

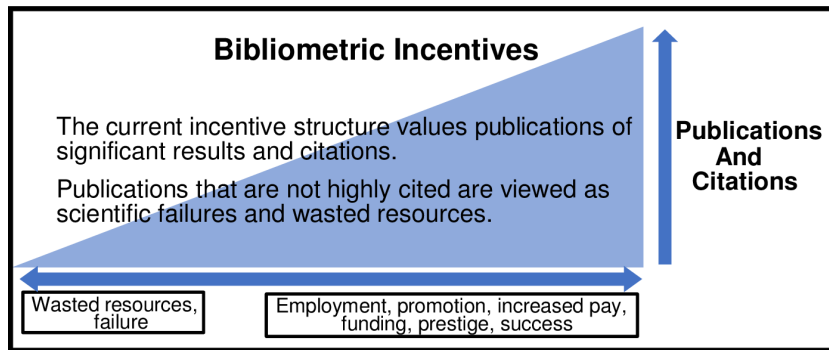


Figure 1: The current bibliometrics incentives model.

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Impact factor

Impact Factor formula:

$$IF(x) = \frac{Citations(x)}{Publications(x-2) + Publications(x-1)}$$

For example, Nature had an impact factor of 49.962 in 2020:

$$IF(2020) = \frac{Citations(2020)}{Publications(2018) + Publications(2019)} = 49.962$$

Note that 2020 impact factors are reported in 2021; they cannot be calculated until all of the 2020 publications have been processed by the indexing agency.

Blocks and columns and simple animation

Sample ordinary block

You can use *columns* environment to split a slide into 2 or more parts.

Props and cons lists

Use *proplist* and *conslist* environments to show props and cons as a list respectively.

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Sample example block

Example: For example you can implement props and cons with use of columns.

Sample citations

Citation in \LaTeX with Bibtex

To cite something just add your bibitem in *references.bib* file and use *cite* command with corresponding name. Everything else will happen **automatically!**

I claim something very important and have to cite this paper [?], this article [?], book [?] and preprint [?].

Where to find citation bibtex item

Please use citation *BibTeX* item from Google Scholar



Figure 2: Big picture

If you want 2 side image, use *subfigures*



(a) White



(b) Blue

Figure 3: Main caption

References I