EDITORIAL

How to increase the visibility of scientific articles through social media?

The use of social media (e.g. *Facebook*, *Twitter* and *others*) is growing steadily over the last years, engaging a large number of people.^{1,2} Hence, researchers and publishers have been using social media in order to increase dissemination of their papers.^{1,2} Moreover, consumers of research such as clinicians and patients now have easier access to read and share scientific articles. These strategies provide new approaches to access, read and discuss scientific articles; and consequently the dissemination and visibility of these articles increase. Therefore, there is a new concept of social impact of scientific articles based in attention attracted online.^{2,3}

How can we measure the social impact of scientific articles over the internet?

In order to measure the social impact online, a new score (named *Altmetric*) was created. *Altmetric* aims to understand the individual impact of each article through the attention attracted online. The *Altmetric* attention score is composed by two independent scoring systems: the “*Altmetric mentioned score*” and the “*Altmetric reader score*”.⁴ The *Altmetric mentioned score* for an article

reflects how widely this article is mentioned in a range of media, including social media (e.g. *Facebook*, *Twitter*); encyclopaedias (e.g. *Wikipedia*); online platforms (e.g. *Faculty1000* and *Publication Peer-Reviews*); videos (e.g. *YouTube*); sites on questions and answers (e.g. *Q&A stack overflow*); and documents (e.g. *policy documents*). The *Altmetric reader score* for an article reflects the number of readers of this article by the use of reference managers (e.g. *Mendeley*, *Connotea* and *CiteULike*). Anyone can see the *Altmetric* score in the websites of most journals by clicking on the *Altmetric*’s “donut”. The different colors of the *Altmetric donut* represents the number of mentions on each specific online media. For example, mentions on Blogs are represented in yellow (Fig. 1).

What is the current evidence about Altmetric?

There are few studies about the social impact of scientific articles through *Altmetric*.^{2,3} Interestingly, it seems that the *Altmetric* score is correlated with number of citations^{5–7} and journal’s impact factor.⁶ In the field of physical therapy, Araujo et al.⁸ found that the variables impact factor, number of years since publication, number of citations and

Colors of the donut

The colors of the altmetric donut each represent a different source of attention:

The colors of the donut

Policy documents	Google+
News	LinkedIn
Blogs	Reddit
Twitter	Faculty1000
Post-publication peer-reviews	Q&A (stack overflow)
Facebook	Youtube
Sina weibo	Pinterest
Syllabi	Patents
Wikipedia

Figure 1 Representation of the Altmetric donut.

provocative titles were associated with the *Altmetric* score. Apparently, there is an association among the scientific impact of an article (measured by number of citations), the scientific impact of the journal (measured by the journal's impact factor) its social impact (measured by *Altmetric* score).

How should I increase the visibility of my articles?

We recommend researchers to preferably select high impact factor journals for submission, use provocative titles, for example, titles expressing the results of the trial or interrogative titles. Besides that, researchers can increase the visibility of their scientific articles by using social media, websites and blogs. The article will be correctly identified by *Altmetric* if the either DOI (Digital Object Identifier) of the article or the link to the article were provided. These simple strategies are likely to improve the visibility of articles to a larger readership.

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