Dimensions Metrics API
Reference & Getting Started

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Introduction

Dimensions analyzes references from publications and calculates a set of article-level indicators. The Dimensions Metrics API gives you programmatic access to these indicators and the Dimensions Badges give you an embeddable badge for easily displaying them. Both are available, for free, for the non-commercial purposes described in our terms of use and outlined below.

Getting Started

What you can do with the Dimensions Metrics API

If you are an individual, you can use the API for your own non-commercial purposes, which will extend to include the display of indicators relating to work you have authored.

If you represent an organization, the first thing you need to do is register some simple details with us here. You are then free to use the API for your organization's internal, non-commercial purposes. This extends to the display of indicators relevant to your organization on its websites or other applications, provided they're open to everyone and otherwise non-commercial (but we do not mind if they include adverts).

If you would like to use the Dimensions Metrics API or badges in a different way, please let us know at info@dimensions.ai with a description of your use case, and we will get back to you as soon as possible to tell you what we can do to help.

In either case, all we ask is that you attribute us in a reasonable way. We are not fussed about the exact form, but we do ask that the attribution is on the page where the data is displayed and (where electronic) links back to dimensions.ai, and that it does not suggest we endorse you or your use. An example of a good attribution would be: "Data sourced from Dimensions, an inter-linked research information system provided by Digital Science (https://www.dimensions.ai)."

If you are keen to start displaying the indicators simply and quickly, our Dimensions Badges are available just for that purpose and are also free - see here.

Please do bear in mind, this is just a simple summary of (and not a substitute for) the legal terms that apply to the Dimensions Metrics API and Dimensions badges, which you agree to comply with by using them.

Querying the database

DOI	http://metrics-api.dimensions.ai/doi/[doi] Fetches the article corresponding to the given DOI.
PMID	http://metrics-api.dimensions.ai/pmid/[pmid] Fetches the article corresponding to the given PMID (PubMed ID).
Dimensions ID	http://metrics-api.dimensions.ai/id/[DimensionsID] Fetches the article corresponding to the given Dimensions ID.

Response object

`id, pmid, doi`	Indicates the value of the identifier used in the query i.e DOI, PMID or Dimensions ID
`times_cited`	'Times cited' indicates the number of times a publication was cited by other publications. We count citations from the reference list in all publications that are indexed in Dimensions. Times_cited is for all years.
`recent_citations`	The recent citations value is the number of citations that were received in the last two years. The citation date used in the calculations rolls over in the middle of the year. For example in 2019 the calculation looks at citations from 2017 for the months of 2019-01 till 2019-06 and switches to citations from 2018 from 2019-07 onwards.
`relative_citation_ratio`	The Relative Citation Ratio (RCR) indicates the relative citation performance of an article when comparing its citation rate to that of other articles in its area of research. A value of more than 1.0 shows a citation rate above average. The article's area of research is defined by the articles that have been cited alongside it. The RCR is calculated for all PubMed publications which are at least 2 years old.
`Field_citation_ratio`	The Field Citation Ratio (FCR) is an article-level metric that indicates the relative citation performance of an article, when compared to similarly-aged articles in its subject area. A value of more than 1.0 indicates higher than average citation, when defined by FoR Subject Code, publishing year and age. The FCR is calculated for all publications in Dimensions which are at least 2 years old and were published in 2000 or later.
`highly_cited`	The highly_cited flags are not used yet and are always set to false.