

# DIMENSIONS TRAINING

CU Boulder

November 1, 2018



# Agenda

## **What is Dimensions?**

Brief overview of contents

## **Orientation to Dimensions**

Filters are your friends

Search types: full data, title & abstract, abstract search

Exports and favorites

## **Walk-through of some common queries with small exercises**

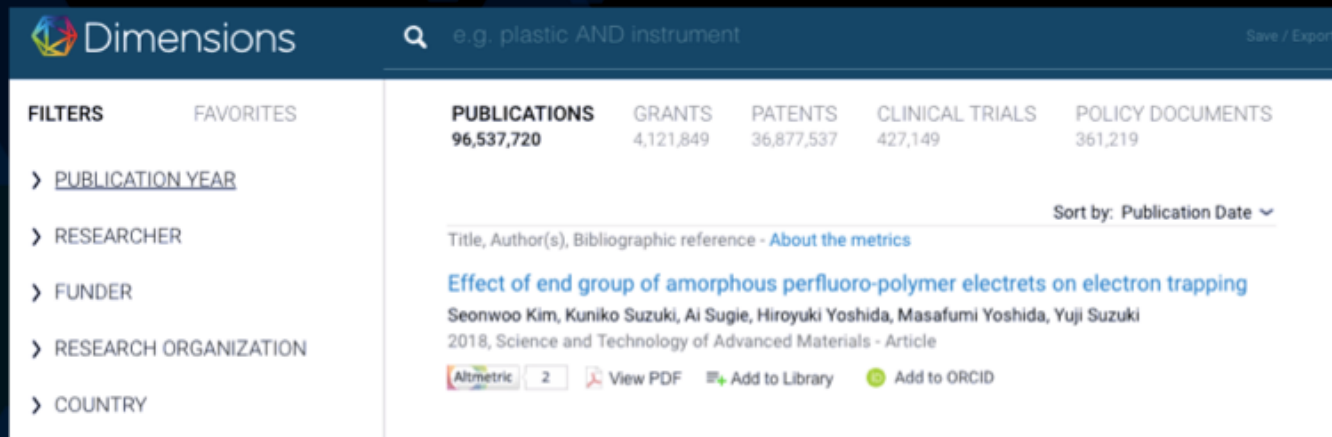
Please log in and follow along! [app.dimensions.ai](https://app.dimensions.ai)

## **Q&A**

# WHAT IS DIMENSIONS?

A linked, categorized and disambiguated database of:

- Publications
- Awarded Grants
- Patents
- Clinical Trials
- Policy Documents



The screenshot displays the Dimensions database interface. At the top, the search bar contains the query "e.g. plastic AND instrument". Below the search bar, a table lists various categories and their counts:

PUBLICATIONS	GRANTS	PATENTS	CLINICAL TRIALS	POLICY DOCUMENTS
96,537,720	4,121,849	36,877,537	427,149	361,219

On the left side, there is a "FILTERS" section with expandable options: PUBLICATION YEAR, RESEARCHER, FUNDER, RESEARCH ORGANIZATION, and COUNTRY. The main results area shows a list of publications, with the first entry titled "Effect of end group of amorphous perfluoro-polymer electrets on electron trapping" by Seonwoo Kim, Kuniko Suzuki, Ai Sugie, Hiroyuki Yoshida, Masafumi Yoshida, and Yuji Suzuki. The entry is from 2018, Science and Technology of Advanced Materials - Article. Below the title, there are links for "Altmetric" (with a count of 2), "View PDF", "Add to Library", and "Add to ORCID". The interface also includes a "Sort by: Publication Date" dropdown and a "Save / Export" link in the top right corner.

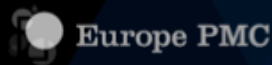
# PUBLICATION DATA currently



## PUBLICATIONS

- Journal articles, pre-prints, conference proceedings and books/book chapters
- Over 97 million records based on metadata
- Metadata and citations derived from multiple available databases
- OA tagging
- Most recent addition: SSRN

## JOURNALS / BOOKS



## PRE-PRINT / OA



arXiv.org

ChemRxiv™

RePEc

## Pipeline 2018/19

I40C

Initiative for Open Citations

# GRANTS DATA currently



## GRANTS

- Project funding
- 4.1M grants, from ~300 funders globally
- \$1.3 trillion of funding
- **Sourcing**
  - Direct relationships with funders
  - Data available via APIs
  - Data available via websites which we crawl

The screenshot shows the Dimensions website interface. The top navigation bar includes the Dimensions logo, a 'Support' link, and a user profile for 'Christian Bode'. A sidebar on the left contains links for 'MY ACCOUNT', 'ABOUT DIMENSIONS', and 'PRIVACY & TERMS'. The main content area is titled 'About the grants data' and includes a table of funders.

Funder	GRID ID	Country	4 Grants	Available Years
Japan Society for the Promotion of Science (JSPS)	<a href="#">grd.54432.34</a>	Japan	851,076	1964 - 2017
Natural Sciences and Engineering Research Council (NSERC)	<a href="#">grd.452912.9</a>	Canada	263,815	1991 - 2016
Russian Foundation for Basic Research (RFBR)	<a href="#">grd.452899.b</a>	Russia	170,838	1993 - 2017
National Natural Science Foundation of China (NSFC)	<a href="#">grd.419696.5</a>	China	163,908	1989 - 2015
German Research Foundation (DFG)	<a href="#">grd.424150.6</a>	Germany	109,915	1964 - 2017
European Commission (EC)	<a href="#">grd.270680.b</a>	Belgium	108,924	1981 - 2018
Directorate for Mathematical & Physical Sciences (NSF MPS)	<a href="#">grd.457875.c</a>	United States	88,108	1963 - 2018
Department of Defense, Small Business Innovation Research (DOD SBIR)	<a href="#">grd.473855.8</a>	United States	73,866	1982 - 2015
Social Sciences and Humanities Research Council (SSHRC)	<a href="#">grd.183804.6</a>	Canada	71,889	1998 - 2016
Directorate for Engineering (NSF ENG)	<a href="#">grd.457810.f</a>	United States	68,692	1958 - 2018
Swiss National Science Foundation (SNF)	<a href="#">grd.425888.b</a>	Switzerland	66,943	1975 - 2018
National Endowment for the Humanities (NEH)	<a href="#">grd.422239.c</a>	United States	64,493	1953 - 2018
National Science Foundation (NSF)	<a href="#">grd.431093.c</a>	United States	62,005	1952 - 2017
Directorate for Geosciences (NSF GEO)	<a href="#">grd.457836.b</a>	United States	60,947	1963 - 2018
Directorate for Biological Sciences (NSF BIO)	<a href="#">grd.457768.f</a>	United States	60,528	1962 - 2018
National Cancer Institute (NCI)	<a href="#">grd.48336.3a</a>	United States	58,258	1963 - 2017
Directorate for Computer & Information Science & Engineering (NSF CISE)	<a href="#">grd.457785.c</a>	United States	50,334	1960 - 2018
Canadian Institutes of Health Research (CIHR)	<a href="#">grd.248883.d</a>	Canada	46,982	1986 - 2018
National Institute of Allergy and Infectious Diseases (NIAID)	<a href="#">grd.419681.3</a>	United States	42,707	1974 - 2017
National Heart Lung and Blood Institute (NHLBI)	<a href="#">grd.279885.9</a>	United States	41,257	1963 - 2017
São Paulo Research Foundation (FAPESP)	<a href="#">grd.452907.d</a>	Brazil	38,865	1989 - 2018

# PATENT DATA currently



## PATENTS

- US
- EP
- WIPO
- DE
- CA
- IN
- AU
- GB
- FR
- Hong Kong
- Russia
- China will be the next to be added.



# CLINICAL TRIAL DATA currently



## CLINICAL TRIALS

ClinicalTrials.gov

EU-CTR

UMIN-CTR

ISRCTN

ANZCTR

CHICTR

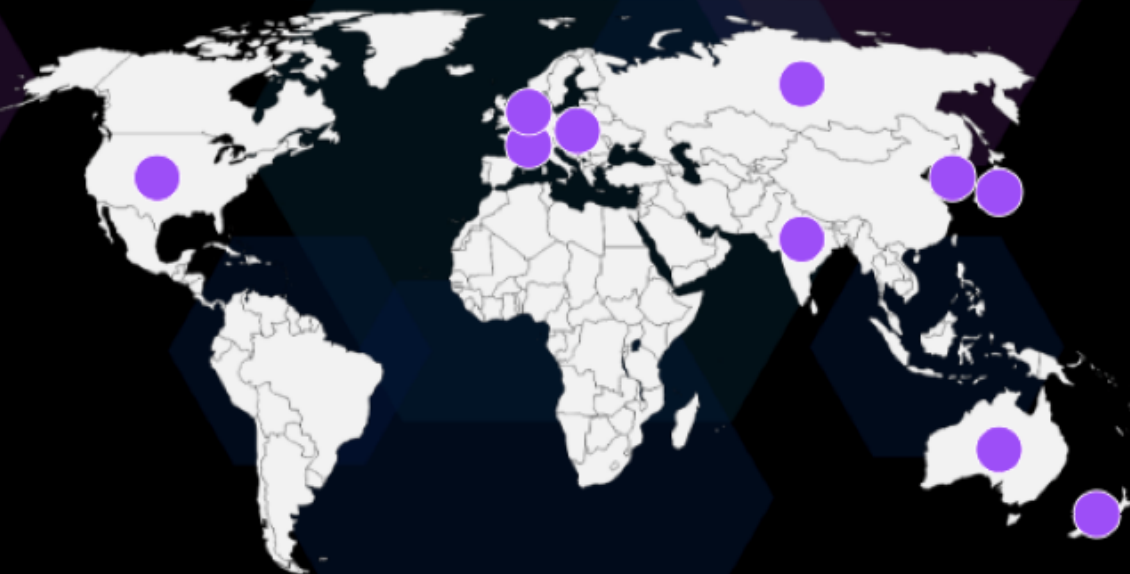
NTR

GCTR

CTRI

CRIS

... and more are coming



# POLICY DOCUMENTS currently



## POLICY DOCUMENTS

Over 360,000 policy document records,  
linked to publication records

Including but not limited to:

- World Health Organization
- World Bank
- Food & Agriculture Organization of the UN
- National Academies Press
- Centers for Disease Control & Prevention
- Publications Office of the European Union
- Government of the United Kingdom
- National Bureau of Economic Research
- Economic Policy Institute

PUBLICATIONS	GRANTS	PATENTS	CLINICAL TRIALS	POLICY DOCUMENTS
96,537,720	4,121,849	36,877,537	427,149	361,219
Sort by: Publication Date ▼				
<a href="#">How Technology Creates Markets : Trends and Examples for Private Investors in Emerging Markets</a>				
2018, World Bank				
<a href="#">Does Employing Workers or Accepting Work Pay? Analyzing Labor Costs in South Africa</a>				
2018, World Bank				
<a href="#">Systemic, Sectoral Risk and the Myth of a Corporate Savings Glut</a>				
2018, World Bank				
<a href="#">Transforming Microfinance Institutions in the Arab World : Opportunities, Challenges and Alignment of Interest</a>				
2018, World Bank				
<a href="#">Norovirus: weekly national report for weeks 27 to 30 (9 August 2018)</a>				
2018, Government of the United Kingdom				



# Links between the different content sources



## Publication

- Publication references
- Publication citations
- Supporting grants
- Patent citations
- Linked clinical trials
- Policy Documents



## Grant

- Resulting publications
- Resulting patents
- Resulting clinical trials



## Patent

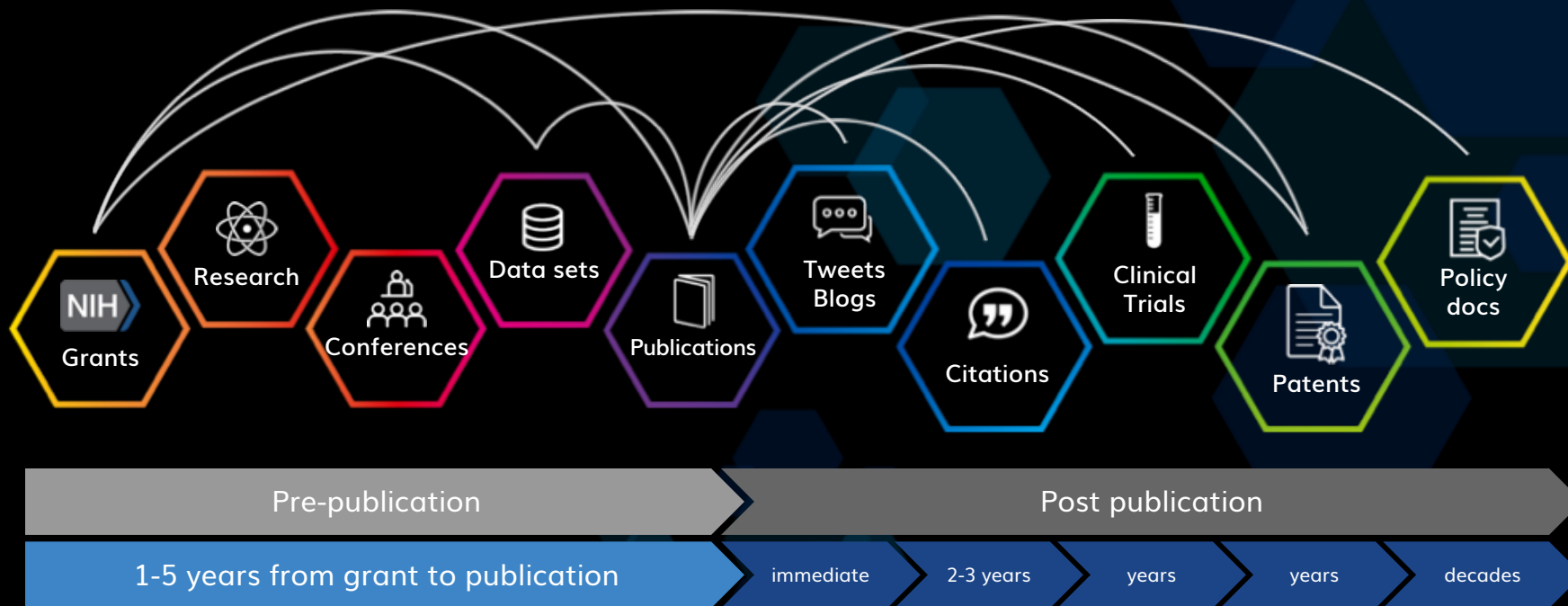
- Patent references
- Publication references
- Supporting grants
- Patent citations



## Clinical trial

- Linked publications
- Supporting grants

# How do we capture a broader picture of research?



# ORIENTATION – TOP TIPS

## Create an account

Save favorites, download history, link to ORCID, export for bibliometric mapping

## Filters

Function similar to fields in an advanced search, applicable to content type

## Three ways to search

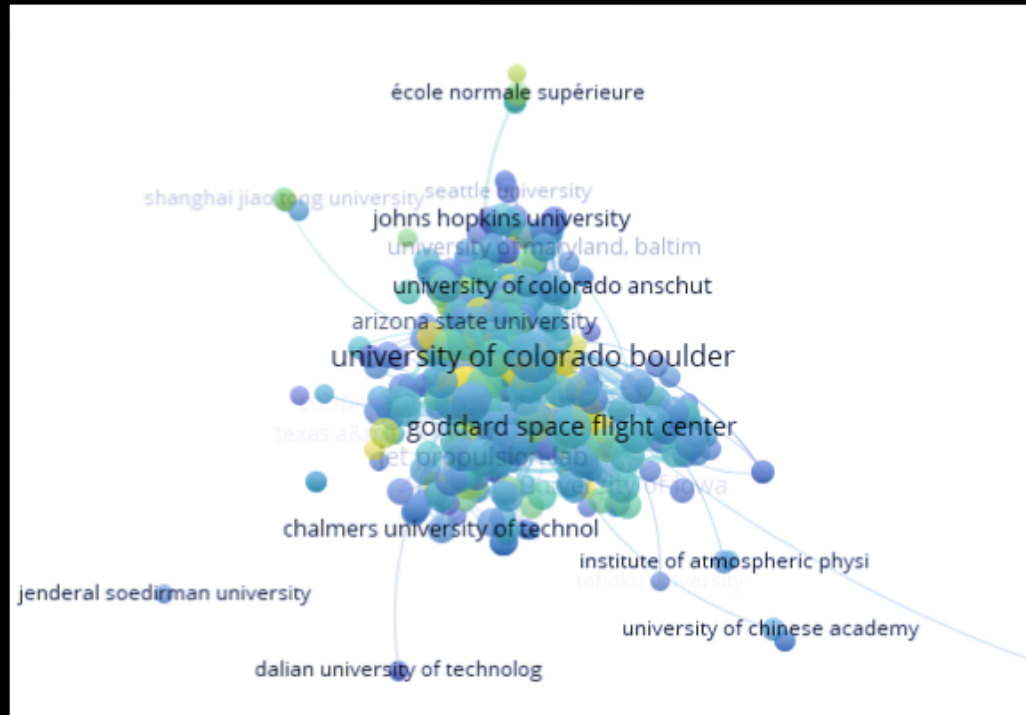
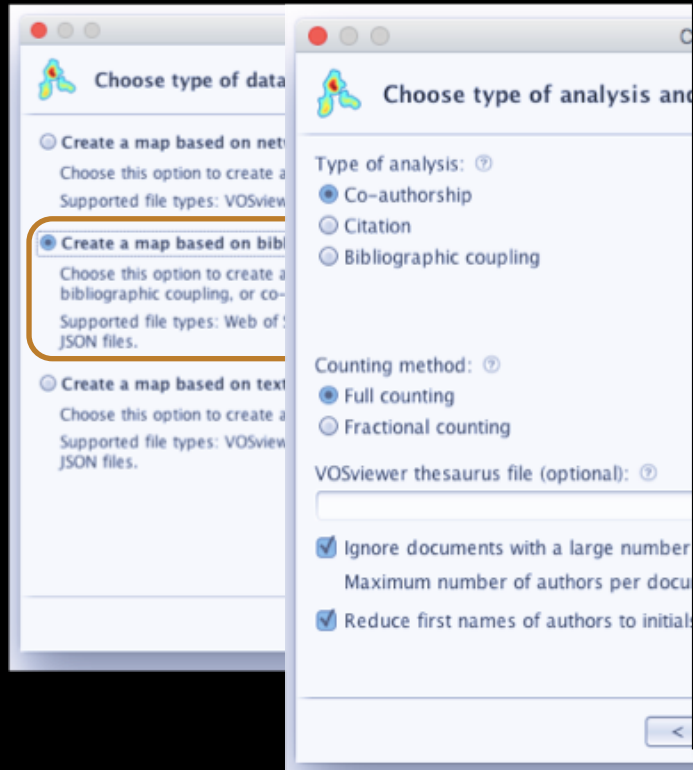
Full data, title and abstract, and abstract search

## Compare feature

Remember to remove any organizational or funder filters from your search bar before proceeding

# VOS VIEWER

Freely available at <http://www.vosviewer.com/download>



# COMMON QUERIES

# PUBLICATIONS

Who is the most prolific researcher in **Astronomical and Space Sciences** in the **past 5 years**?

Who is the most prolific researcher at **CU Boulder** in **Astronomical and Space Sciences** in the **past 5 years**?

What was the most cited paper by a researcher at **CU Boulder** in **Astronomical and Space Sciences** in the **past 5 years**? Which had the top Altmetric score?

ON YOUR OWN

Who is the top funder of publications published in the **past 5 years** in **Astronomical and Space Sciences** at **CU Boulder**?

# GRANTS

Which researcher has received the most funding in **Astronomical and Space Sciences**?

Which funder has awarded the most total funding in **Astronomical and Space Sciences**?

Which funder has awarded the most funding in **Astronomical and Space Sciences** to **CU Boulder**?

How do **CU Boulder** and **University of Michigan** compare with respect to grants active in the **next 5 years** in **Astronomical and Space Sciences**?

## ON YOUR OWN

How many grants in **Astronomical and Space Sciences** were awarded to **CU Boulder** that are **active in 2019**?

# PATENTS

Which funders have supported the most patents in Immunology?

Which organization owns the most active patents in Immunology?

How many active patents have been awarded to CU Boulder in Immunology?

ON YOUR OWN

How many active patents in Immunology were awarded to organizations in Japan? Who are the top funders of these patents?



# CLINICAL TRIALS

How many clinical trials will be **active over the next five years** that are sponsored/co-sponsored by **CU Boulder**?

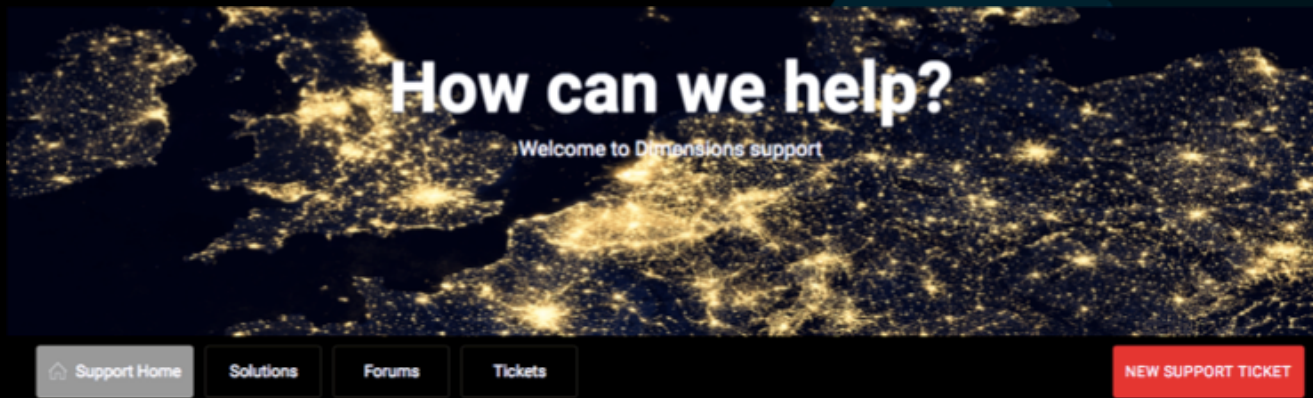
How many of these trials are related to the **condition of hypertension**?

How do **CU Boulder** and the **University of Oregon** compare with respect to overall number of clinical trials sponsored/co-sponsored?

ON YOUR OWN

How many **Phase 4** clinical trials concerning **hypertension** will be **active** in **2019**?

# TECHNICAL SUPPORT



Search for answers in our [Support Library](#)

If you can't find an answer to your question, please submit a support ticket. We try our best to respond within 24 hours.

# THANK YOU

Heidi Becker

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Twitter

@DSDimensions

@heidibeckerdata





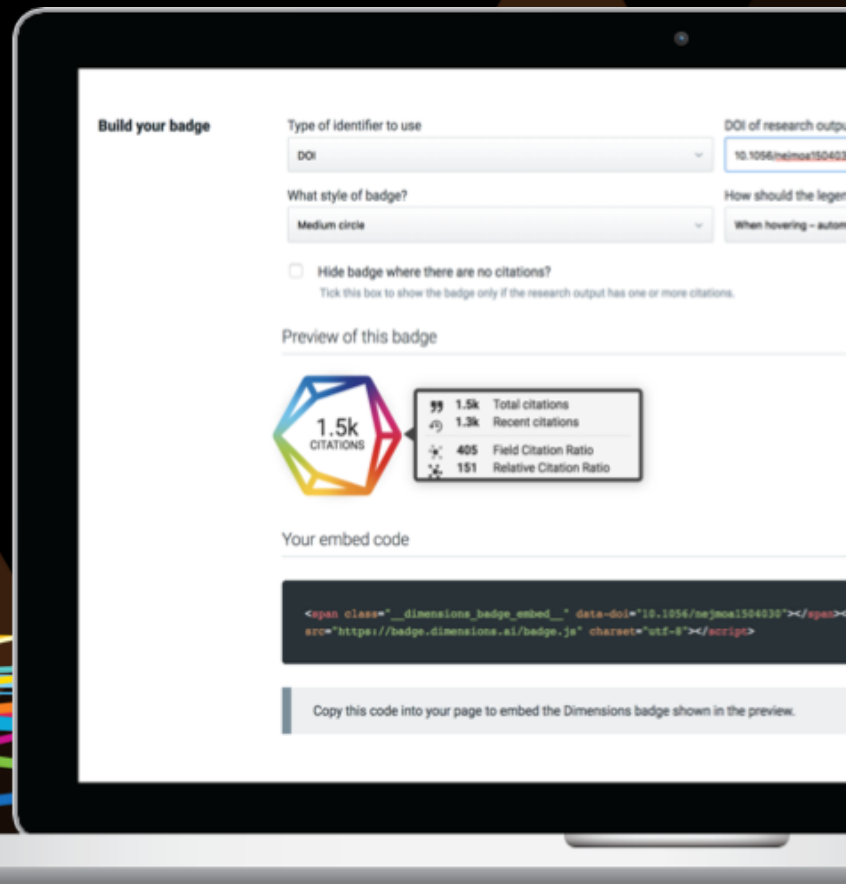
# ADDITIONAL INFO



# Dimensions Badges and open Metrics API

Dimensions is making publication and citation data available - also via badges and as an open metrics API

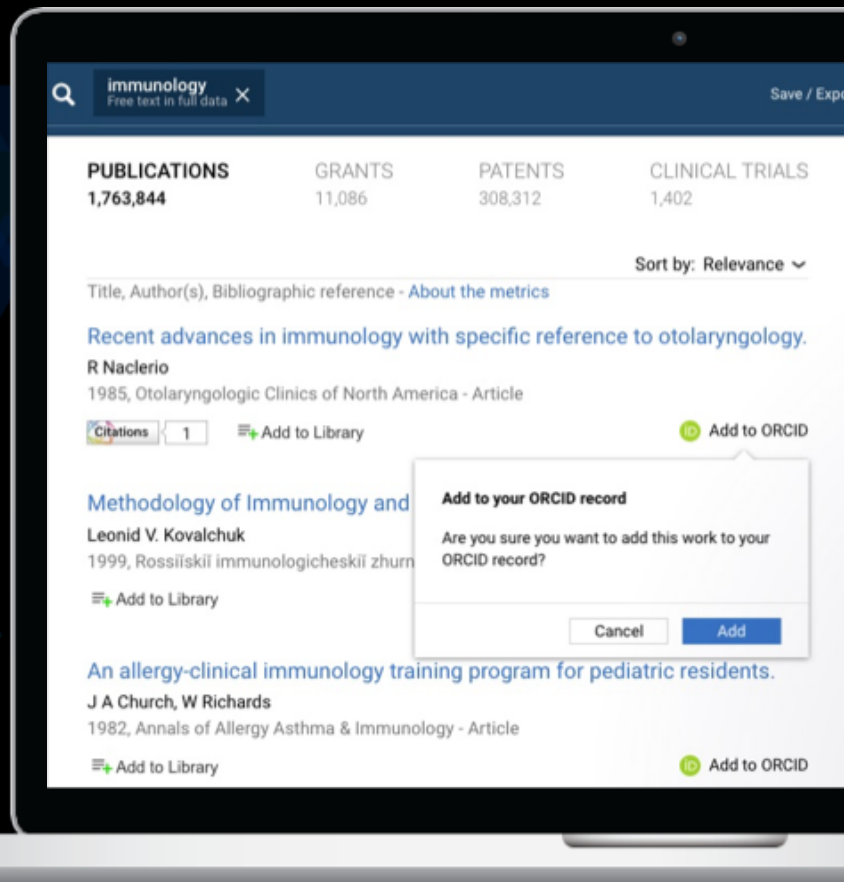
Start using it today at [badges.dimensions.ai](https://badges.dimensions.ai)



# Dimensions & ORCID

Researchers can connect their ORCID record to Dimensions to help claim and showcase their published research with a simple, efficient process.

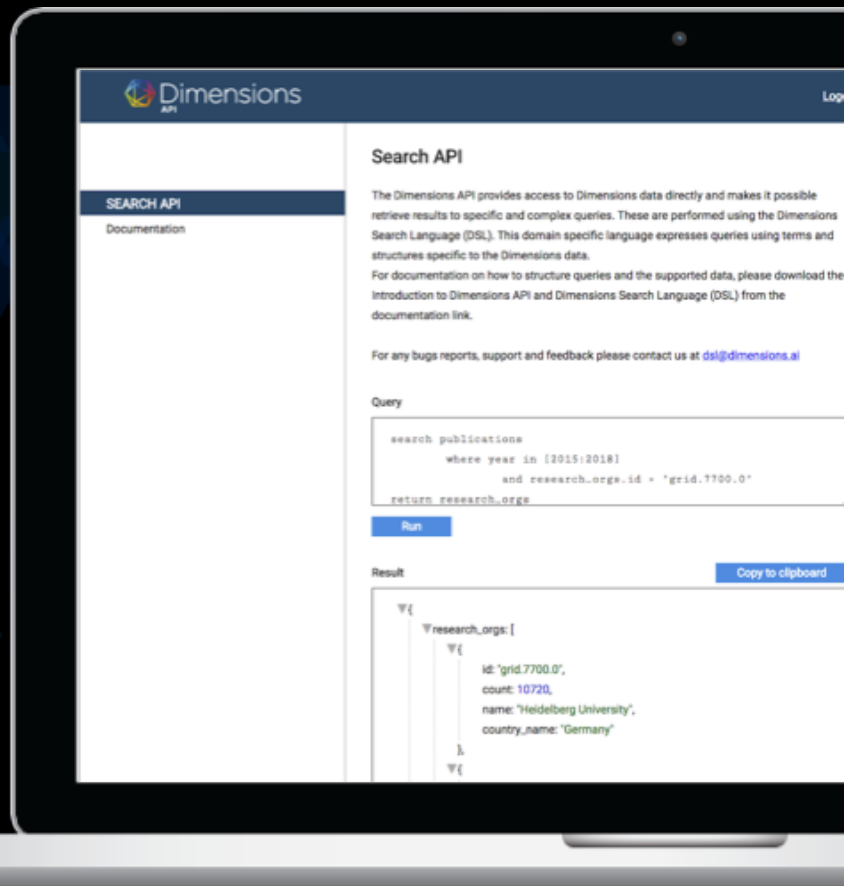
- Add publication information to your ORCID profile directly from Dimensions with a single click
- When available, publically available information is used to enrich research profiles
- ORCID records are also used to improve author disambiguation



# The Dimensions API

Powerful API - designed to allow flexible use of the enriched data

- Use without constraints for internal purposes
- Use data outside of the web-app; e.g. in admin systems or analytical software
- Querying language made and documented specifically for new Dimensions

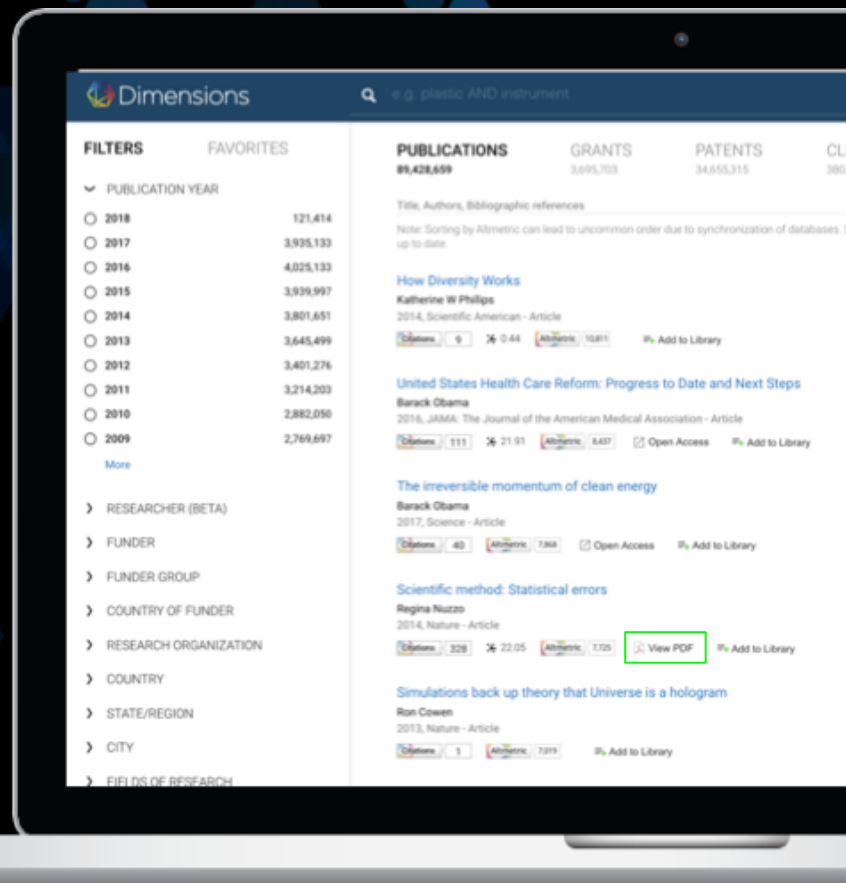


# Anywhere Access

An add-on module to Dimensions, the Anywhere Access module offers instant single-click access to:

1. Open Access articles
2. Articles subscribed to with publishers

Anywhere Access works with the organization's own subscription holdings via EZProxy integration and SSO authentication.





# Anywhere Access as a Library Solution

- Library software that connects patrons to subscribed content efficiently
- 1-click access to full text - simplest way to access subscribed content
- Integrated with library holdings, link resolvers, ILL
- COUNTER compliant - downloads from publisher platform.
- Clear indication of access; Ensure no dead ends
- On/off campus - authenticated with SSO
- Integrated document delivery option (instant)
- Cloud solution with two deployment options:
  - Platform add-in (e.g. **Dimensions**, Primo)
  - Browser Extension (works across web)

