DIMENSIONS TRAINING

CU Boulder
September 20, 2018

Dimensions

DIGITAL science

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

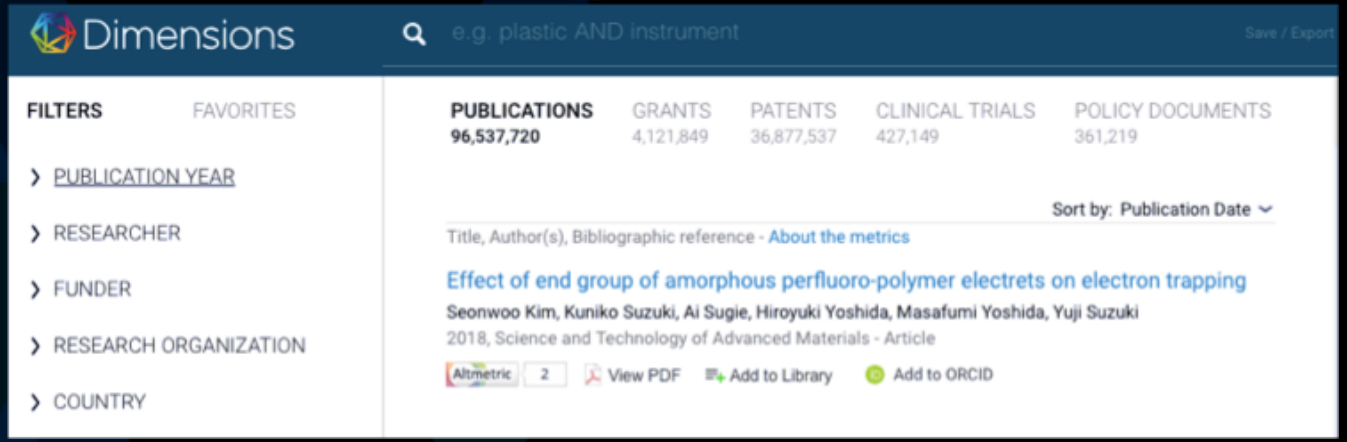
Test your trainer
What kinds of questions would you like to investigate in Dimensions? Please let me know via the chat feature and we will walk through them together.

Q&A

WHAT IS DIMENSIONS?

A linked, categorized and disambiguated database of:

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



PUBLICATION DATA currently

PUBLICATIONS

- Journal articles, pre-prints, conference proceedings and books/book chapters
- Over 95 million records based on metadata
- Metadata and citations derived from multiple available databases
- OA tagging

- Most recent addition: SSRN

JOURNALS / BOOKS	PRE-PRINT / OA	Pipeline 2018/19
Crossref	bioRxiv	arXiv.org
PubMed		ChemRxiv
Europe PMC		RePEc

I4OC

Initiative for Open Citations

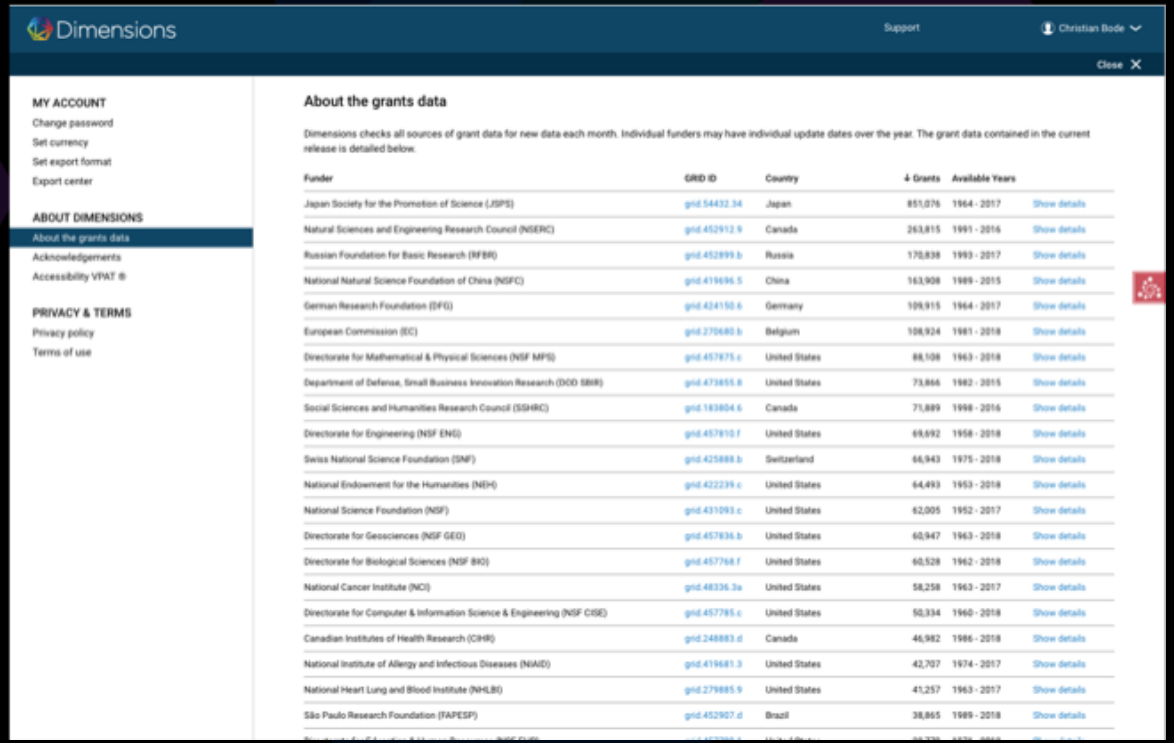
Dimensions

DIGITAL science

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



PATENT DATA currently

PATENTS

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

Dimensions

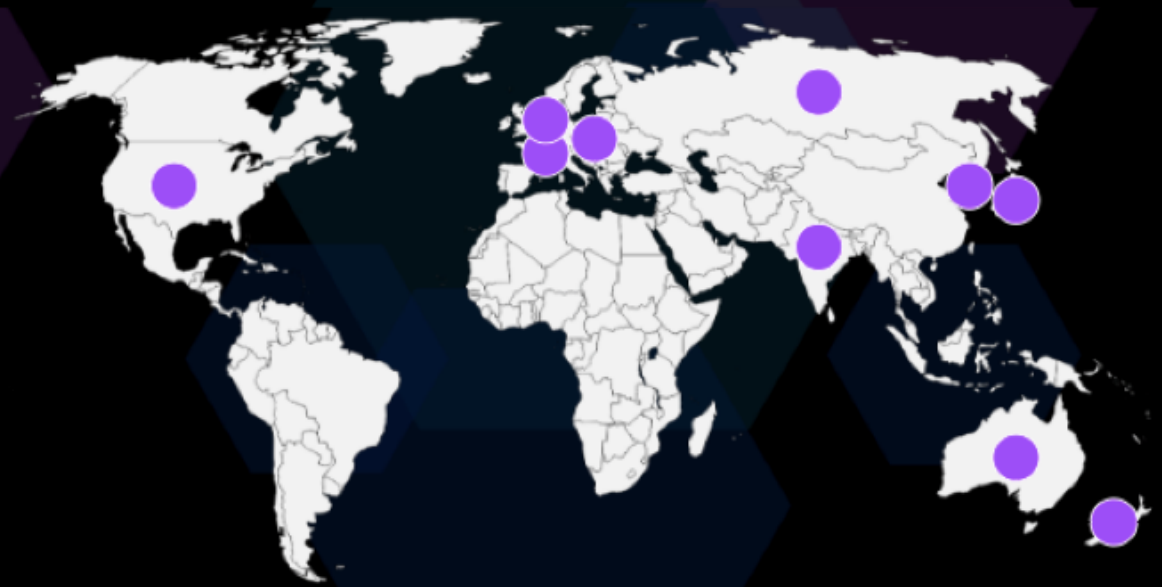
DIGITAL science

CLINICAL TRIAL DATA currently

CLINICAL TRIALS

ClinicalTrials.gov
EU-CTR
UMIN-CTR
ISRCTN
ANZCTR
CHICTR
NTR
GCTR
CTRI
CRIS

... and more are coming



Dimensions

DIGITAL science

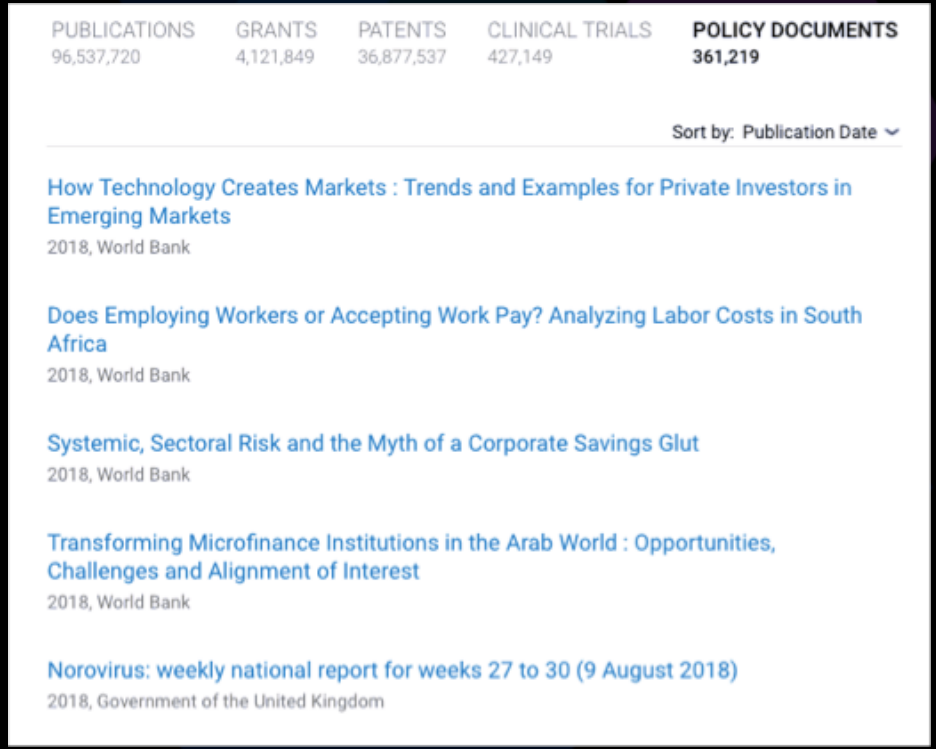
POLICY DOCUMENTS currently

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



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

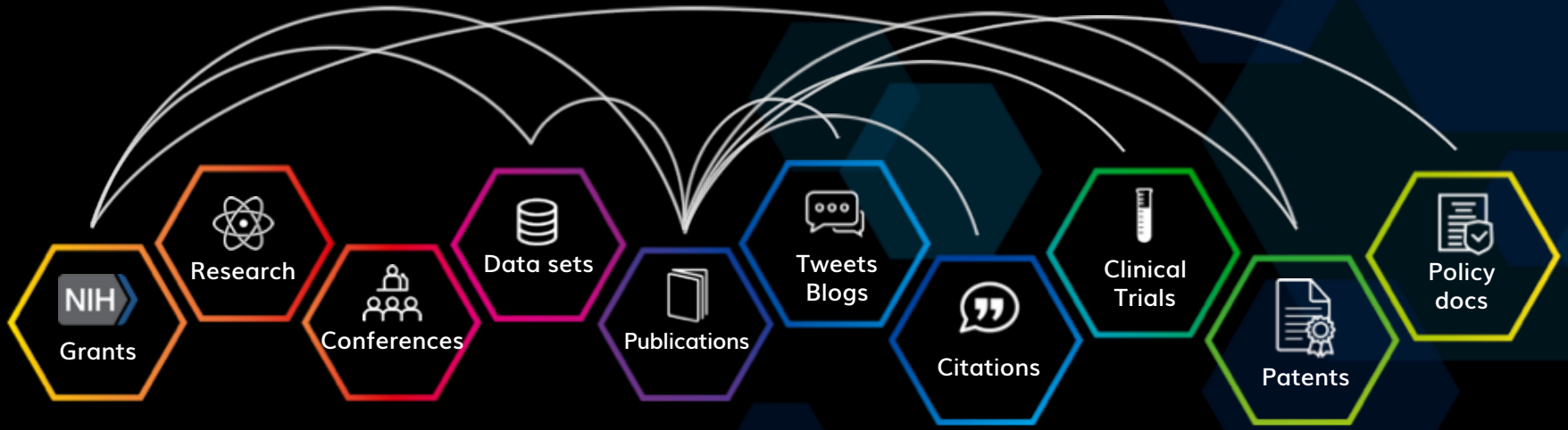
Patent

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

Clinical trial

- Linked publications
- Supporting grants

Data integrated in multiple dimensions - pun intended



ORIENTATION

Top tips

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
Remove any organizational or funder filters from your search bar before proceeding

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?

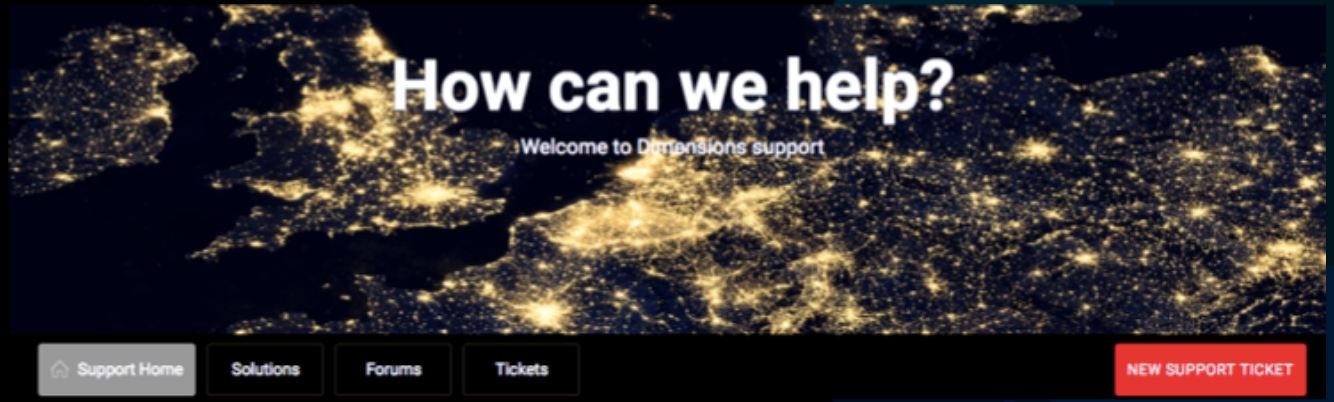
How many of these trials are related to the condition of hypertension?

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.

What would you like to see Dimensions do?

Please enter your questions in chat.

THANK YOU

Heidi Becker

Email h.becker@digital-science.com

Twitter @heidibeckerdata

Dimensions

DIGITAL science

ADDITIONAL INFO

Dimensions

DIGITAL science

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

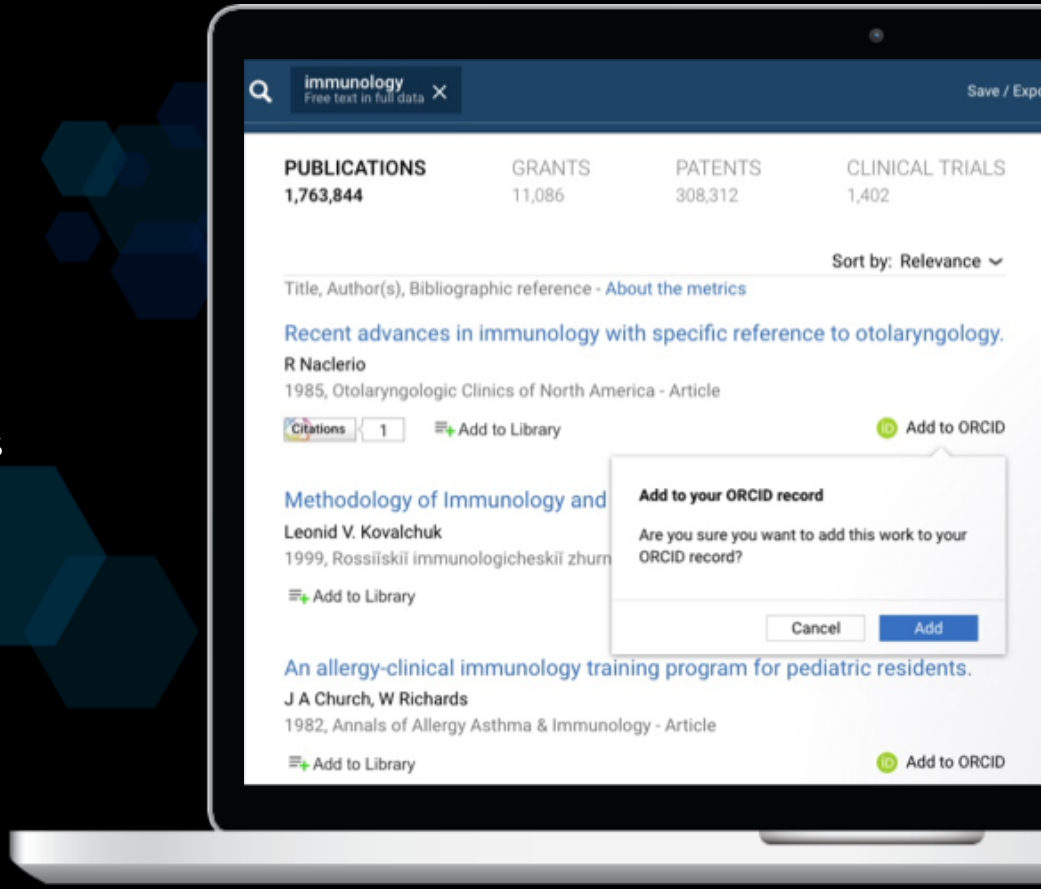
Dimensions

DIGITAL science

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

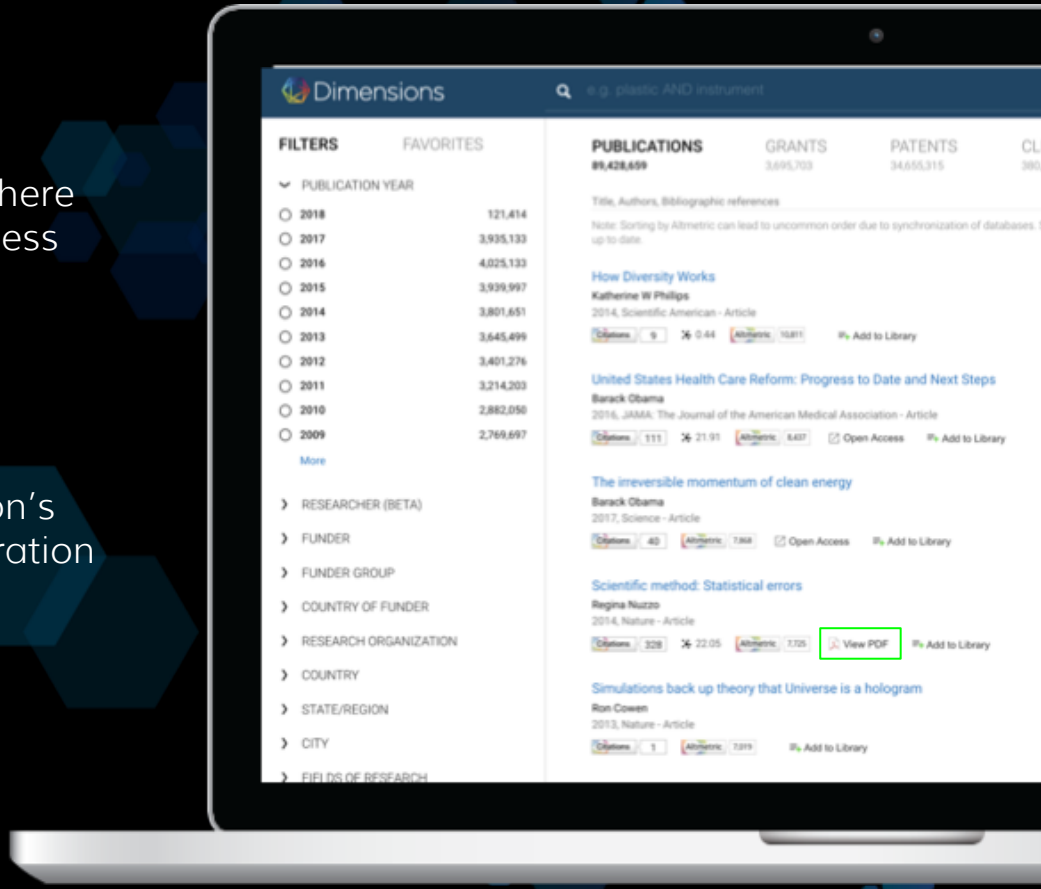
- Use without constraints for internal purposes
- Use data outside of the web-app; e.g. in admin systems or analytical software
- Querying language made and documented specifically for new Dimensions

Anywhere Access

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

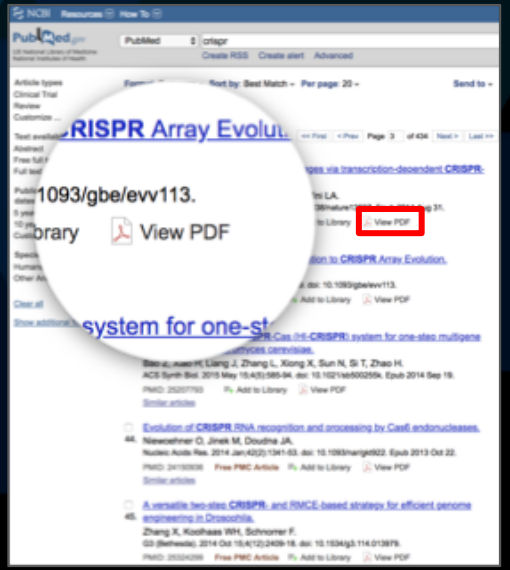
1. Open Access articles
2. Articles subscribed to with publishers

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



Dimensions

DIGITAL science

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)