



Dimensions Analytics

The Basics



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Navigation Overview

The Dimensions platform is divided into three main sections, with a search bar at the top, as illustrated below. The primary sections are Filters, Results (records), and Analytical Views.

Search Bar

🔍
e.g. plastic AND instrument

[Save / Export](#)

[Support](#)

Patrick D.

FILTERS
FAVORITES

GROUPS

MY GROUPS

CREATE A GROUP BY SELECTING MULTIPLE ENTITIES FROM ONE OF THE FILTERS AND CLICK 'ADD TO GROUP' AT THE BOTTOM.

FUNDER GROUPS

RESEARCH ORGANIZATION GRO...

PUBLICATION YEAR

RESEARCHER

FUNDER

COUNTRY OF FUNDER

RESEARCH ORGANIZATION

LOCATION - RESEARCH ORGANIZATI...

RESEARCH CATEGORIES

PUBLICATION TYPE

SOURCE TITLE

PUBLISHER

JOURNAL LIST

PUBLICATIONS 117,869,823

DATASETS 8,383,264

GRANTS 5,799,216

PATENTS 135,928,562

CLINICAL TRIALS 632,971

POLICY DOCUMENTS 584,037

Title, Author(s), Bibliographic reference - About the metrics
 Show abstract
Sort by: Relevance

Inhibitory Control Across Athletic Expertise and its Relationship With Sport Performance.

Jack Hagyard, Jack Brimmell, Elizabeth J Edwards, Robert S Vaughan

2021, Journal of Sport and Exercise Psychology - Article

Inhibitory control may be vital in elite sport. The authors examined the link between athletic expertise, inhibitory control, and sport performance in a two-part quasi experiment. Inhibitory control w... more

Citations 3
Altmetric 4
Add to Library
Get PDF

ANALYTICAL VIEWS

RESEARCH CATEGORIES

11 Medical and Health Sciences	30,104,346
09 Engineering	12,372,771
1103 Clinical Sciences	11,150,082
06 Biological Sciences	9,000,736
03 Chemical Sciences	7,869,186

OVERVIEW

Citations 1.4 B

Citations (Mean) 11.66

Publications (total)

OPEN ACCESS

Closed	83,869,592
All OA	34,000,211
Bronze	10,734,981
Gold	10,377,235
Green	9,980,778

Filters
Results
Analytical Views

Types of searches

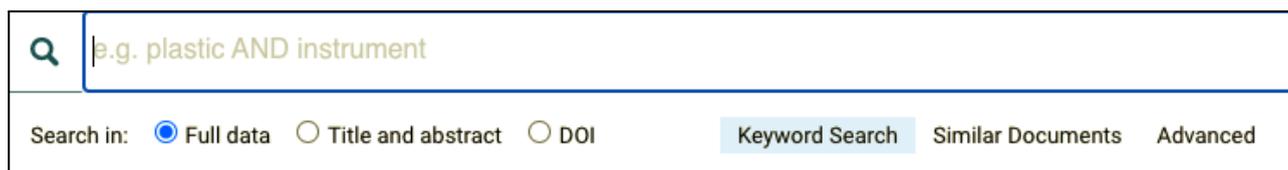
There are a number of ways to search in Dimensions. Below is a brief summary of each.

Document Searches

Document searches allow for searching across the various content types in Dimensions - publications, datasets, grants, patents, clinical trials, policy documents.

Full data

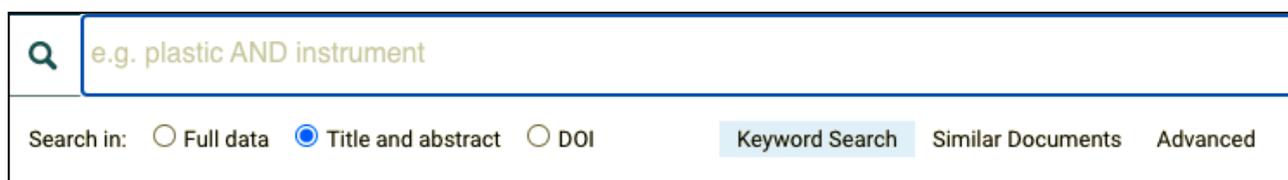
Our agreements with over 130 publishers mean that Dimensions enables you to search the full text of roughly 70% of publications - even the ones you may not have full text access to. Whether you're searching for a specific chemical or field-specific terminology - expand your search beyond title and abstract to return a broader set of results.



A screenshot of the search interface. The search bar contains the text "e.g. plastic AND instrument". Below the search bar, the "Search in:" section has three radio buttons: "Full data" (selected), "Title and abstract", and "DOI". To the right of these are three buttons: "Keyword Search" (highlighted), "Similar Documents", and "Advanced".

Title & Abstract

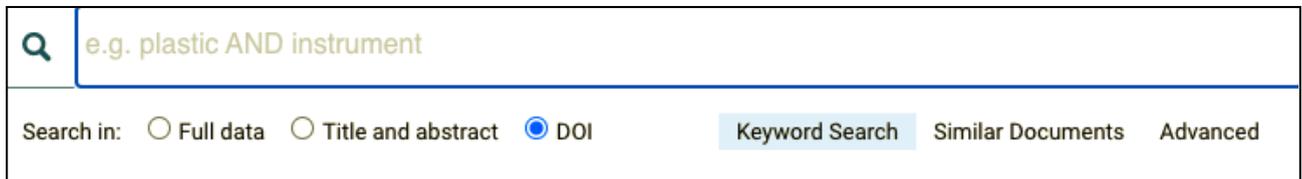
This is just what it sounds like - limit your search to just the title and abstract available within Dimensions. This will generally give you a smaller set of results than a full data search, but likely very relevant.



A screenshot of the search interface. The search bar contains the text "e.g. plastic AND instrument". Below the search bar, the "Search in:" section has three radio buttons: "Full data", "Title and abstract" (selected), and "DOI". To the right of these are three buttons: "Keyword Search" (highlighted), "Similar Documents", and "Advanced".

DOI Search (publications only)

If you know exactly what you're looking for, you can search for one or more DOIs. Enter a DOI (add a boolean OR to include additional DOIs), and select the DOI toggle button.



Q e.g. plastic AND instrument

Search in: Full data Title and abstract DOI

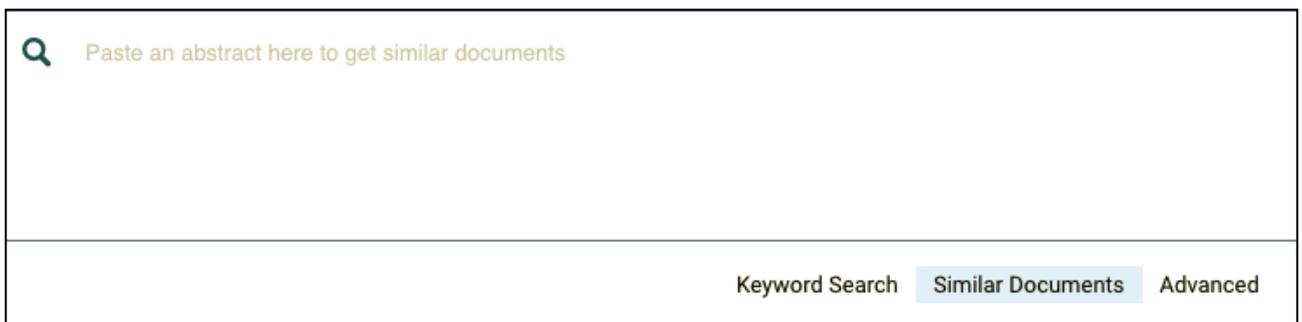
Keyword Search Similar Documents Advanced

Similar Documents Search

Using the Dimensions 'similar documents' search, you can enter a thesis statement or project summary (any "blob of text") to find closely related content. Dimensions will extract terms from the text and search all content types simultaneously and return highly similar content. This is one of the most popular features in Dimensions. This type of search is recommended when the text is specific enough to yield meaningful results.

→ Remember to press enter after pasting the text.

The default number of records returned is 500, this can be increased to 1,000 or 2,000 using the drop-down menu under your results.



Q Paste an abstract here to get similar documents

Keyword Search Similar Documents Advanced

Advanced search extended field searching

The screenshot shows the advanced search interface. At the top, there is a search bar with a magnifying glass icon and the text "e.g. plastic AND instrument". Below the search bar, there are three radio buttons for "Search in": "Full data" (selected), "Title and abstract", and "DOI". To the right of these are three buttons: "Keyword Search", "Similar Documents", and "Advanced" (highlighted with an orange border).

Below the search bar, there is a large text area containing the query "climate change" AND ocean". To the right of this text area is a "SEARCH FIELDS" panel. The panel has two tabs: "SEARCH FIELDS" and "CONCEPTS". Under "SEARCH FIELDS", there is a dropdown menu currently showing "Acknowledgements". Below the dropdown is a list of search fields: Acknowledgements, Altmetric Attention Score, Date - Inserted, Date - Publication, Exact search, ISBN, ISSN, MeSH terms, Number of affiliation countries, Number of affiliations, Number of authors, Number of citations, Research organization (raw), Research organization ID, and Title.

Below the search bar and text area, there is a "Hide operator info" link and a list of operators with their descriptions:

- AND Requires both terms on either side of the Boolean operator to be present for a match
- OR Requires that either term (or both terms) be present for a match
- NOT Requires that the following term not be present
- () Use parentheses to control the Boolean logic for a query
- ? Single character wildcard. Cannot be used as a leading wildcard or inside of quotes.
- * Multiple characters wildcard. Cannot be used as a leading wildcard or inside of quotes.
- ~n Proximity search, e.g. "ambient noise"~4

At the bottom of the interface, there are three radio buttons for "Search in": "Full data" (selected), "Title and abstract", and "(Applied if no other field is specified)". To the right of these are "Cancel" and "Search" buttons. At the bottom right, there is a checkbox labeled "Add parentheses to create Boolean nesting" which is checked.

You can now take advantage of the following options (unless otherwise noted, these options are available for publications only) via the Advanced Search button on the search bar to help refine your queries and search within the following fields and ranges:

Acknowledgements

Altmetric Attention score (range)

Can be used with publications & clinical trials

Date - inserted (range, mmddyyyy - mmddyyyy, date added to Dimensions)

Can be used with all content types

Date - publication (range, mmddyyyy - mmddyyyy)

Exact search

Use when you do not want Dimensions to automatically search for plurals, etc.

ISBN

ISSN

MeSH terms

Can be used with publications & clinical trials

- Number of affiliation countries (range)
- Number of affiliations (range)
- Number of authors (range)
- Number of citations (range)
- Research organizations (raw)
- Search within the raw affiliation string
- Research organization ID
- Title (title only, not title & abstract)
- Can be used with all content types

Advanced search with co-occurring concepts

The screenshot shows the advanced search interface. At the top, there is a search bar containing the text "p.g. plastic AND instrument". Below the search bar, there are three radio buttons for "Search in": "Full data" (selected), "Title and abstract", and "DOI". To the right of these are three buttons: "Keyword Search", "Similar Documents", and "Advanced" (highlighted with an orange border).

Below the search bar, there is a large text area containing the query "climate change" AND ocean". To the right of this text area is a panel titled "CONCEPTS" with a sub-header "SEARCH FIELDS". The panel contains the text "Refine your search with co-occurring concepts." and a "Recalculate concepts" button. Below this, there is a list of concepts with "Add" buttons next to each:

- climate change Add
- Ocean Add
- climate Add
- warming Add
- variability Add
- Sea Add
- circulation Add
- ecosystems Add
- species Add
- atmosphere Add
- surface temperature Add
- climate models Add
- region Add
- precipitation Add
- ocean acidification Add
- forcing Add
- global climate change Add
- sea surface temperature Add

At the bottom of the interface, there are three radio buttons for "Search in": "Full data" (selected), "Title and abstract", and "(Applied if no other field is specified)". There are also "Cancel" and "Search" buttons, and a checkbox for "Add parentheses to create Boolean nesting" which is checked.

You can access a list of relevant concepts related to their current search to further refine a query: either to narrow down the results or to broaden the search.

Open the search bar and click on "Advanced" - the panel can be entered from all content types

To calculate co-occurring concepts the user needs to provide at least one keyword or filter
The terms are always calculated based on publication results - We calculate n=20 concepts per default, more can be loaded on request (click on “[show more](#)”), max 100

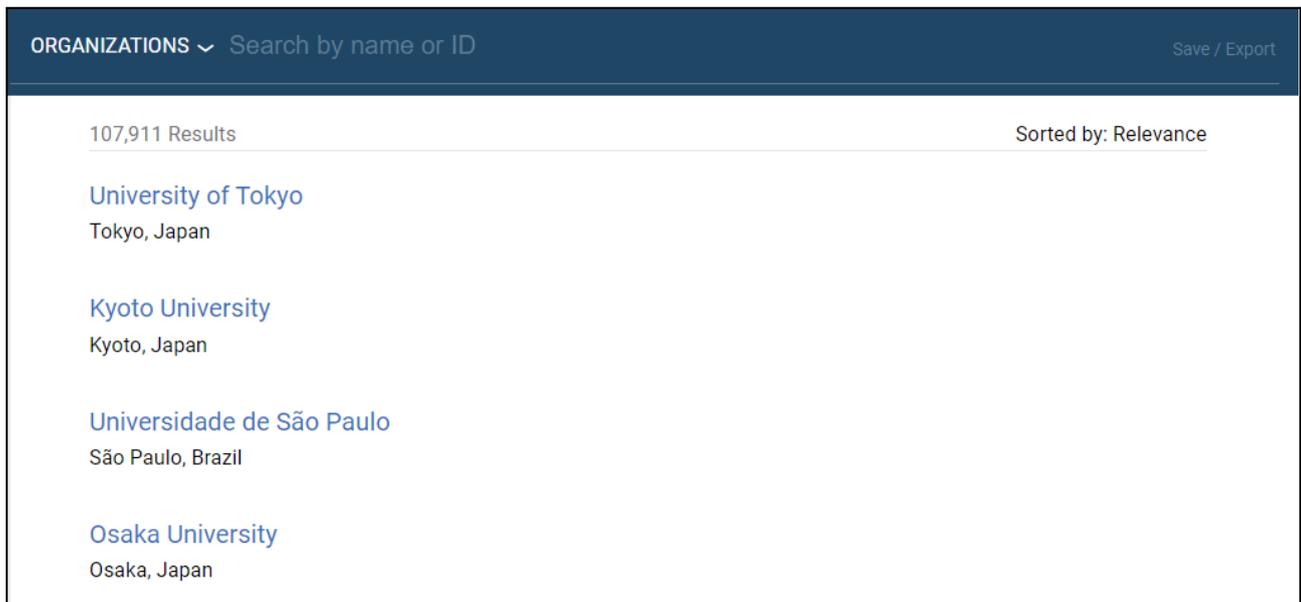
After adding / manipulating concepts, users can recalculate concepts (“[Recalculate concepts](#)” button). As for every other keyword search, users can choose between searching in “[full data](#)” or “[title & abstract](#)”.

You can opt to either add the term with a Boolean AND, OR or NOT (drop down will appear when clicking “[Add](#)”)

You can also opt to add parentheses to create Boolean nesting.

Organization Searches

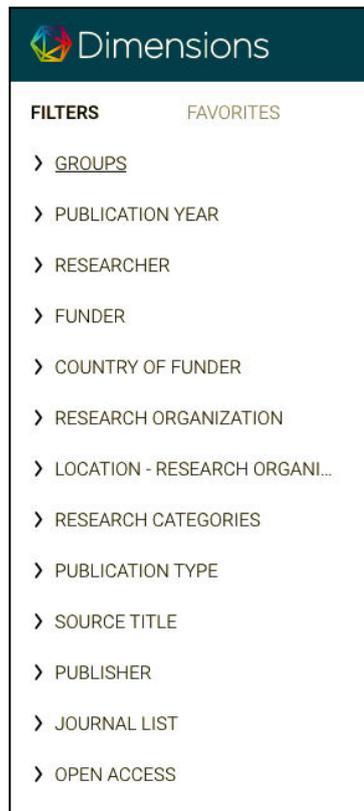
Organization searches allow you to search for organizations by name or ID, filter by organization type or location, or export organization details.



The screenshot displays the 'ORGANIZATIONS' search interface. At the top, there is a search bar with the text 'Search by name or ID' and a 'Save / Export' link on the right. Below the search bar, the results are shown as a list of organizations. The first result is 'University of Tokyo' located in 'Tokyo, Japan'. The second is 'Kyoto University' in 'Kyoto, Japan'. The third is 'Universidade de São Paulo' in 'São Paulo, Brazil'. The fourth is 'Osaka University' in 'Osaka, Japan'. The results are sorted by 'Relevance'.

Organization Name	Location
University of Tokyo	Tokyo, Japan
Kyoto University	Kyoto, Japan
Universidade de São Paulo	São Paulo, Brazil
Osaka University	Osaka, Japan

Filters



Filters should be considered similar to “advanced search” fields and should be the first step in constructing a query that involves:

[Date parameters](#)

[Researchers](#)

[Organizations](#) (Funders, Universities, Companies, Publishers)

[Places](#)

[Research categories](#) (see below)

[Status](#) (eg. “active” in grants, “granted” in patents)

Entering these terms (eg. researcher name, organization name) into the search bar will not be as effective and will likely return some erroneous results.

Filter options will differ by content type (eg. a publication record does not have an “active year” whereas a grant record will).

We recommend checking for applicable filters in relevant content types when constructing a query.

The filters are found on the left side of the page, and allow you to narrow down your search results to only those of interest, such as those related to a specific researcher, funder, research organization*, etc. If you are using Dimensions Analytics you can also create your own groups of entities to search with.

Limiting to a single filter item within an entity

To see all results for a specific researcher, organization or funder, etc., simply click on the relevant filter section on the left side to unfold it. If the name, organization or category you are looking for is among the top-listed, simply hover over the number of results next to this, and the words "Limit to" will appear. Click on "Limit to" to apply the filter to your search.

If the name, organization or category you are looking for is not in the top results listed, click on "more" and start typing the name you are searching for. Once this appears in the list, click "Limit to" next to the name, and the filter will be applied.

The screenshot shows the Dimensions database interface. At the top, there is a search bar with the query "e.g. plastic AND instrument". Below the search bar, there are navigation tabs for "PUBLICATIONS", "GRANTS", "PATENTS", "CLINICAL TRIALS", and "POLICY DOCUMENTS". The "PUBLICATIONS" tab is active, showing 99,628,291 results. To the right, there are "ANALYTICAL VIEWS" including "RESEARCH CATEGORIES" and "OVERVIEW". The "RESEARCH CATEGORIES" section lists various categories with their respective counts. The "OVERVIEW" section shows RCR Mean (0.76) and FCR Mean (1.32) along with a line graph of publications from 2010 to 2019. The main results area displays a list of publications with titles, authors, and publication dates. The first result is "Debonding mechanism of zirconia and lithium disilicate resin cemented to dentin" by Mina Aker Sagen, Ketil Kvam, Eystein Ivar Ruyter, and Hans Jacob Renold, published in 2019 in Acta Biomaterialia Odontologica Scandinavica. Other results include "The effect of antimicrobial additives on the properties of dental glass-ionomer cements: a review" and "Synthesis of Ag/NiO Honeycomb Structured Nanoarrays as the Electrode Material for High Performance Asymmetric Supercapacitor Devices".

Limiting to more than one filter within the same entity

Combining filters with 'OR'

If you would like to limit to more than one filter within the same entity at a time in an "OR" search (e.g. when looking for all papers published by 5 different organizations), you can do this by ticking the circles to the left of each option of interest in the filter list. Simply select each of the names you want to include in the search by checking the circles, and then click on "Limit to" at the bottom of the page. If the names you are looking for do not appear in the top results, click on "more" and type the name. The options will appear, and when you identify the one you are looking for, click on this name, and it will be added, and included, in the list. Once you have added all

desired names, you can then click on "Limit to" to apply the group of filters to your search.

The screenshot displays a search results page with a left sidebar for filters, a central results area, and a right sidebar for research categories and an overview chart.

Left Sidebar (Filters):

- MY GROUPS
- PUBLICATION YEAR
- RESEARCHER
- FUNDER
- FUNDER GROUP
- COUNTRY OF FUNDER
- RESEARCH ORGANIZATION
 - University of Tokyo: 320,384
 - University of Toronto: 263,858
 - Harvard University: 260,818
 - University of Michigan: 234,430
 - University of California Los Angeles: 232,154
 - University College London: 226,635
 - Kyoto University: 220,400
 - Johns Hopkins University: 220,062
 - Stanford University: 219,378
 - University of Cambridge: 218,072
 - More
- LOCATION - RESEARCH ORG.
- RESEARCH CATEGORIES

Central Results Area:

Sort by: Publication Date

Title, Author(s), Bibliographic reference - About the metrics

New development of atomic layer deposition: processes, methods and applications
Peter Ozaveshe Davrooh, Rokhsaneh Akbarzadeh, Dongqing Pan, Rigardt Alfred Maarten Coetzee, Tien-C...
2019, Science and Technology of Advanced Materials - Article
Citations: 1 | Abstracts: 3 | View PDF | Add to Library

A new interpretation of the $\sqrt{7}\times\sqrt{7}$ R19.1* structure for P adsorbed on a Ni(111) surface
Elizabeth Barrow, Grant S. Seuser, Hiroko Ariga-Miwa, Donna A. Chen, Jochen Lauterbach, Kiyotaka Asa...
2019, Science and Technology of Advanced Materials - Article
Abstracts: 2 | View PDF | Add to Library

Twinning behavior of orthorhombic- α' martensite in a Ti-7.5Mo alloy
Xin Ji, Ivan Gutierrez-Urutia, Satoshi Emura, Tianwei Liu, Toru Hara, Xiaohua Min, Dehai Ping, Koichi Ts...
2019, Science and Technology of Advanced Materials - Article
Abstracts: 2 | View PDF | Add to Library

Reactive metal-support interaction in the Cu-In2O3 system: intermetallic compound formation and its consequences for CO2-selective methanol steam reforming
Kevin Pfloner, Lukas Schlicker, Albert Gill, Aleksander Gurlo, Andrew Doran, Lei Zhang, Marc Ambrüster, ...
2019, Science and Technology of Advanced Materials - Article
Abstracts: 2 | View PDF | Add to Library

Stress dependence of indentation modulus for carbon fiber in polymer composite
Hongxin Wang, Han Zhang, Daiming Tang, Kenta Goto, Ikumu Watanabe, Hideaki Kitazawa, Masamichi ...
2019, Science and Technology of Advanced Materials - Article

Right Sidebar (Research Categories):

RESEARCH CATEGORIES	Count
1103 Clinical Sciences	5,998,497
0601 Biochemistry and Cell Biology	2,979,570
1117 Public Health and Health Services	2,944,325
0306 Physical Chemistry (incl. Structural)	2,794,781
0912 Materials Engineering	2,543,329

OVERVIEW

RCR Mean: 0.76 | FCR Mean: 1.33

Line graph showing Publications (total) from 2014 to 2019.

OPEN ACCESS

Closed	76,083,890
All OA	25,482,789
Bronze	12,208,588
Pure Gold	4,272,305
Green, Submitted	3,909,777

Combining filters with 'AND'

To combine multiple filters within one entity in an "AND" search (e.g. when looking for all papers which 5 different organizations have collaborated on), select the first of the desired filter options by clicking "Limit to" to the right of it and repeat this one after the other for each individual facet.

The screenshot shows the filter selection interface with a list of research categories. A red arrow points to the "Limit to" button next to the selected "09 Engineering" category. Another red arrow points to the "Limit to" button at the bottom of the filter list.

RESEARCH CATEGORIES

- 09 Engineering (Selected) 1,207,062
- 0915 Interdisciplinary Engineering 1,207,062
- 0913 Mechanical Engineering 101,866
- 0904 Chemical Engineering 73,716
- 02 Physical Sciences 43,467
- 0907 Environmental Engineering 33,929
- 0905 Civil Engineering 24,726
- 0912 Materials Engineering 22,218
- 0914 Resources Engineering and 21,810
- 0910 Manufacturing Engineering 21,580
- 0202 Atomic, Molecular, Nuclear, 18,861

More

Limit to (highlighted)

OR

Limit to (highlighted)

Add to group | Exclude

1 selected | About

Excluding an entity from a search

Filters can also be used to exclude an entity from your search results. Simply select one or more entities in a filter and then click on "Exclude" at the bottom of the page.

The screenshot displays the Dimensions search interface for the query "cancer". The search results are sorted by Relevance. The left sidebar shows filters for FUNDERS, including the National Cancer Institute (565,116), National Natural Science Foundation (205,473), and others. The main content area lists publications such as "How to talk about cancer" (2017), "American Society of Clinical Oncology" (2018), and "Harvard report on cancer prevention" (1996). The right sidebar provides analytical views, including Research Categories (Oncology and Carcinogenesis: 1,192,080) and an Overview section with RCR Mean (1.20) and FCR Mean (1.76). A line graph shows the number of publications from 2010 to 2019, with a peak in 2018 and a decline in 2019.

Research Category	Count
1112 Oncology and Carcinogenesis	1,192,080
1103 Clinical Sciences	1,094,112
0601 Biochemistry and Cell Biology	994,564
1117 Public Health and Health Services	719,695
0604 Genetics	493,935

Year	Publications (total)
2010	~300,000
2011	~350,000
2012	~400,000
2013	~450,000
2014	~500,000
2015	~550,000
2016	~600,000
2017	~650,000
2018	~700,000
2019	~500,000

Research Categorization Systems

[Fields of Research \(FOR\)](#)

We have implemented the Fields of Research (FOR) system covering all areas of research from the Australian and New Zealand Standard Research Classification (ANZSRC). The original FOR system has three levels (2-, 4- and 6-digit codes). The implementation in Dimensions categorises on 2- and 4-digit codes. This categorization system covers many areas of research including social sciences, art and history.

[Research, Condition, and Disease Categorization \(RCDC\)](#)

The Research, Condition, and Disease Categorization (RCDC) is a classification scheme used by the US National Institutes of Health (NIH) for reporting required by the US Congress. We have implemented this system using automated allocation of RCDC codes to documents in Dimensions based on category definitions defined by machine learning. In addition to the semantic definitions, the NIH uses business rules to assign awards to categories based on decisions rather than an analysis of the content and topic. These business rules are highly specific to the NIH and have not been taken into account for Dimensions. Also, RCDC reports to the US congress take the specific aims section into account, as well as the abstract. Using only the abstract and title for category definition, without the business rules or specific aims, allows a comparable RCDC categorization within Dimensions.

[Health Research Classification System \(HRCS\)](#) and [Research Activity Codes \(RAC\)](#)

The Health Research Classification System ([HRCS](#)) is a classification system used by biomedical funders to classify their portfolio in health and research activity codes. There are two strands to HRCS – Research Activity Codes and Health Categories. We have modelled Health Categories on a machine learning approach that are automatically applied to all data types, allowing broad analysis and comparison.

[ICRP Cancer Types](#)

The ICRP's cancer type coding scheme complements the CSO and is linked to the International Classification of Diseases. Information about the codes used can be found at ICRP <https://www.icrpartnership-test.org/cancer-type-list>. We have implemented this system using automated allocation of ICRP cancer types to documents in Dimensions based on category definitions defined by machine learning.

[ICRP Common Scientific Outline](#)

The Common Scientific Outline or 'CSO' is a classification system organized into six broad areas of scientific interest in cancer research. The CSO is complemented by a standard cancer type coding scheme. Together, these tools lay a framework to improve coordination among research organizations, making it possible to compare and contrast the research portfolios of public, non-profit, and governmental research agencies. The CSO is maintained by the International Cancer Research Partnership and further information on versions, using the CSO and training guides can be accessed at ICRP <https://www.icrpartnership.org/cso>. We have implemented this system using automated allocation of CSO codes to documents in Dimensions based on category definitions defined by machine learning.

[Units of Assessment](#)

The Units of Assessment (UoA) is a classification scheme used by the Research Excellence Framework 2021 (REF) for assessing the quality of research in UK Higher Education Institutions. We have implemented this system using automated allocation of UoA codes to documents in Dimensions based on category definitions defined by machine learning.

[Sustainable Development Goals](#) (publications and grants only)

We have implemented the UN Sustainable Development Goals (SDGs) as a classification scheme covering areas of research associated with one or more SDGs (the majority of the SDGs are interrelated). The scheme uses automated allocation of the 17 SDGs and their associated targets and indicators to all fitting documents in Dimensions thereby addressing research areas aligned to the goals.

Results

The middle panel in Dimensions will provide you with the resulting records from your query, across each content type as applicable. Information on supported boolean operators can be found via the [support portal](#).

The screenshot shows the Dimensions search results for the query "materials synthesis". The search bar at the top contains the query and a "Free text in full data" indicator. The main panel displays a list of results with the following content types and counts: PUBLICATIONS (119,959), DATASETS (6,836), GRANTS (3,276), PATENTS (51,393), CLINICAL TRIALS (1), and POLICY DOCUMENTS (70). The results are sorted by Relevance. The first result is "Accelerated AI development for autonomous materials synthesis in flow†" by Robert W. Epps, Amanda A. Volk, Kristofer G. Reyes, and Milad Abolhasani, published in 2021 in Chemical Science. The second result is "A time-space conversion method for material synthesis research" by Yuting Hou, Minghao Liang, Fangzhu Qing, and Xuesong Li, published in 2021 in iScience. The third result is "Toward 'On-Demand' Materials Synthesis and Scientific Discovery through Intelligent Robots" by Jiagen Li, Yuxiao Tu, Rulin Liu, Yihua Lu, and Xi Zhu, published in 2020 in Advanced Science. The right-hand panel shows "ANALYTICAL VIEWS" with a "RESEARCH CATEGORIES" section listing categories like 03 Chemical Sciences (65,095) and 09 Engineering (55,401). Below this is an "OVERVIEW" section with a line graph showing "Citations (total)" from 2013 to 2022, with a mean of 32.44. The graph shows a steady increase in citations over the period.

You can layer a boolean search or a similar documents search with filters:

The screenshot shows the Dimensions search results for the query "materials synthesis" with several filters applied. The search bar at the top contains the query and a "Free text in full data" indicator. The filters applied are: "2022 OR 2021" (Publication Year), "0912 Materials Engineering" (Fields of Research), "Tsinghua University" (Research Organization), and "materials synthesis" (Free text in full data). The main panel displays a list of results with the following content types and counts: PUBLICATIONS (95), DATASETS (0), GRANTS (0), PATENTS (1), CLINICAL TRIALS (0), and POLICY DOCUMENTS (0). The results are sorted by Relevance. The first result is "Facile Electrochemical Determination of Methotrexate (MTX) Using Glassy Carbon Electrode-Modified with Electronically Disordered NiO Nanostructures" by Aftab A. Khand, Saeed A. Lakho, Aneela Tahira, Mohd Ubaidullah, Asma A. Alotman, Khoulood Aljadoo, Ayman Nafady, and Zafar, published in 2021 in Nanomaterials. The second result is "Tunable Microgel-Templated Porogel (MTP) Bioink for 3D Bioprinting Applications" by Liliang Ouyang, Jonathan P. Wojciechowski, Jiaqing Tang, Yuzhi Guo, and Molly M. Stevens, published in 2022 in Advanced Healthcare Materials. The third result is "Designing artificial two-dimensional landscapes via atomic-layer substitution" by Yunfan Guo, Yuxuan Lin, Kaichen Xie, Biao Yuan, Jiadi Zhu, Pin-Chun Shen, Ang-Yu Lu, Cong Su, Zhenzhong Shi, Kunyan Zhang, and others, published in 2021 in Proceedings of the National Academy of Sciences of the United States of America. The right-hand panel shows "ANALYTICAL VIEWS" with a "RESEARCH CATEGORIES" section listing categories like 09 Engineering (99) and 0912 Materials Engineering (99). Below this is an "OVERVIEW" section with a line graph showing "Citations (total)" from 2013 to 2022, with a mean of 5.89. The graph shows a sharp increase in citations in 2021.

If filters are applied that are specific to a certain content type (eg. “Legal Status” in patents), this will be noted under the other content types.

The screenshot shows the Dimensions interface with a search for "materials synthesis". The search results are filtered by "Legal Status" (set to "Granted") and "Patents" (set to "20,093"). The interface includes a sidebar with filters, a main content area with search results, and an "ANALYTICAL VIEWS" panel on the right. The search results show a list of publications, with the top result being "supramolecular materials synthesis process" by ARKEMA FRANCE.

Sorting results

Results can be ordered in a number of ways:

Publications: [Relevance](#), [Publication](#), [date](#), [RCR](#), [FCR](#), [Altmetric score](#)

The screenshot shows the Dimensions interface with a search for "tissue engineer". The search results are filtered by "Publications" (2,665,343). The interface includes a sidebar with filters, a main content area with search results, and an "ANALYTICAL VIEWS" panel on the right. A dropdown menu is open over the search results, showing sorting options: Relevance, Publication Date, RCR, FCR, Citations, and Altmetric Attention Score.

Datasets: [Relevance](#), [Publication date](#)

The screenshot shows the Dimensions interface with a search for "tissue engineer". The search results are filtered by "Datasets" (2,030). The interface includes a sidebar with filters, a main content area with search results, and an "ANALYTICAL VIEWS" panel on the right. A dropdown menu is open over the search results, showing sorting options: Relevance and Publication Date.

Grants: Relevance, Start date, Funding amount, Funder

Dimensions **tissue engineer*~5** Save / Export Workflow Support Patrick D...

FILTERS FAVORITES

PUBLICATIONS 2,665,343 DATASETS 2,030 **GRANTS 2,885** PATENTS 1,327,444 CLINICAL TRIALS 512 POLICY DOCUMENTS 18,162

GROUPS

START YEAR

ACTIVE YEAR

GRANT STATUS

RESEARCHER

Group by family Show abstract Sort by: Relevance

Title, Funder, Investigator

Funder: **Relevance**
Start Date
Funding Amount
Funder

ANALYTICAL VIEWS

RESEARCH CATEGORIES

11 Medical and Health Sciences	1,197
09 Engineering	1,035
0903 Biomedical Engineering	929
06 Biological Sciences	856
0601 Biochemistry and Cell Biology	593

Title, Funder, Investigator

Berlin-Brandenburg Research Platform BB3R with integrated Research Training Group 'Innovations in 3R Research - Gene Technology, Tissue Engineering and Bioinformatics subproject 5

Federal Ministry of Education and Research

Patents: Relevance, Filed date, Patent citations

Dimensions **tissue engineer*~5** Save / Export Workflow Support Patrick D...

FILTERS FAVORITES

PUBLICATIONS 2,665,343 DATASETS 2,030 GRANTS 2,885 **PATENTS 1,327,444** CLINICAL TRIALS 512 POLICY DOCUMENTS 18,162

GROUPS

PUBLICATION YEAR

FILED YEAR

PRIORITY YEAR

GRANTED YEAR

Group by family Show abstract Sort by: Relevance

Title, Assignee, Inventor, Filing status, Jurisdiction, Year - About the metrics

Relevance
Filed date
Patent Citations

ANALYTICAL VIEWS

RESEARCH CATEGORIES

06 Biological Sciences	408,689
11 Medical and Health Sciences	343,674
0601 Biochemistry and Cell Biology	248,548
09 Engineering	204,946
1107 Immunology	118,013

Title, Assignee, Inventor, Filing status, Jurisdiction, Year - About the metrics

Grafted tissue with transdifferentiated tissue

Application TH-180863-B -

Edit 26/04/2017 The invention provides a method of reconstructing connective tissue that is suitable for correcting. Connective tissue disorders This includes determining the size and shape of ... more

Clinical trials: Relevance, Start year

Dimensions **tissue engineer*~5** Save / Export Workflow Support Patrick D...

FILTERS FAVORITES

PUBLICATIONS 2,665,343 DATASETS 2,030 GRANTS 2,885 PATENTS 1,327,444 **CLINICAL TRIALS 512** POLICY DOCUMENTS 18,162

GROUPS

START YEAR

ACTIVE YEAR

CLINICAL TRIAL STATUS

RESEARCHER

Group by family Show abstract Sort by: Relevance

Title, Sponsor

Relevance
Start year
Altmetric Attention Score

ANALYTICAL VIEWS

RESEARCH CATEGORIES

11 Medical and Health Sciences	475
1103 Clinical Sciences	251
1112 Oncology and Carcinogenesis	134
1107 Immunology	89
1102 Cardiorespiratory Medicine and Haematology	63

Title, Sponsor

The basic scientific issues of tissue engineering: the prefabrication of engineer simple cell type

West China Hospital of Sichuan University, Ministry of Science and Technique of Chin

It is a clinical trial of huge bone defect repaired by tissue engineering technique (a special case report). In 2000, a 25-year-old female was admitted for a massive tumor in her left chest infiltrati... more

Policy Documents: Relevance, Publication date

Dimensions **tissue engineer*~5** Save / Export Support Patrick D...

FILTERS FAVORITES

PUBLICATIONS 2,758,629 DATASETS 3,576 GRANTS 31,444 PATENTS 1,334,743 CLINICAL TRIALS 976 **POLICY DOCUMENTS 18,809**

GROUPS

PUBLICATION YEAR

PUBLISHING ORGANIZATION

LOCATION - PUBLISHING ORGANIZATI...

Sort by: Publication Date

Publication Date
Relevance

ANALYTICAL VIEWS

RESEARCH CATEGORIES

11 Medical and Health Sciences	8,481
1117 Public Health and Health Services	7,289
16 Studies in Human Society	6,233
1605 Policy and Administration	5,036

Title, Year, Publishing organization

Draft 29/03/2005 - Besluit - Rijksoverheid.nl

2005, rijksoverheid.nl

Exporting results

The screenshot shows the Dimensions search results interface. The search criteria are '2021' and 'tissue engineer*~5'. The results are displayed in a table with columns for PUBLICATIONS (168,049), DATASETS (259), GRANTS (655), PATENTS (63,120), CLINICAL TRIALS (75), and POLICY DOCUMENTS (317). The results are sorted by Relevance. The first two results are selected, indicated by red checkboxes and a red box around the selection area. The first result is 'Fat chance: a review of adipose tissue engineering and its role in plastic and reconstructive surgery.' by M Mughal, K Sindali, J Man, P Roblin. The second result is 'Tissue-Specific Decellularized Extracellular Matrix Bioinks for Musculoskeletal Tissue Regeneration and Modeling Using 3D Bioprinting Technology.' by Wonbin Park, Ge Gao, Dong-Woo Cho. The third result is 'Recent update on craniofacial tissue engineering.' by Aala'a Emara, Rishma Shah. The fourth result is 'Modulating the Biomechanical Properties of Engineered Connective Tissues by Chitosan-Coated Multiwall Carbon Nanotubes.' by Naim Kittana, Mohyeddin Assali, Wolfram-Hubertus Zimmermann, Norman Liaw, Gabriela Leao Santos, Abdul Rehman, Susanne ... At the bottom of the results list, there are buttons for '2 selected', 'Export data', 'Add to Search', and 'Unselect All'. On the right side, there are analytical views including 'RESEARCH CATEGORIES' (Medical and Health Sciences: 47,701; Biological Sciences: 38,192; Engineering: 37,668; Chemical Sciences: 23,270; Biochemistry and Cell Biology: 17,374), 'OVERVIEW' (Citations: 115 K; Citations (Mean): 0.68), and 'OPEN ACCESS' (Closed: 94,778; All OA: 73,271; Gold: 48,480; Hybrid: 9,989; Green: 9,490).

Results from each content type can be exported. Metadata included in the export will vary based on content type and/or analytical view from which they were exported.

Individual records can be exported by hovering to the left of records and checking the desired items. You can also select individual records to create a new set of search results. See the bottom of your screen for both export and “add to search” options.

Export options

Export results

Export full record
File format: CSV - Comma separated

Export for bibliometric mapping
File includes data to create bibliometric networks with [VOSviewer](#) or [CiteSpace](#)

Export for reference manager
File format: BibTeX

All items - max 5,000 items per download

2 selected items

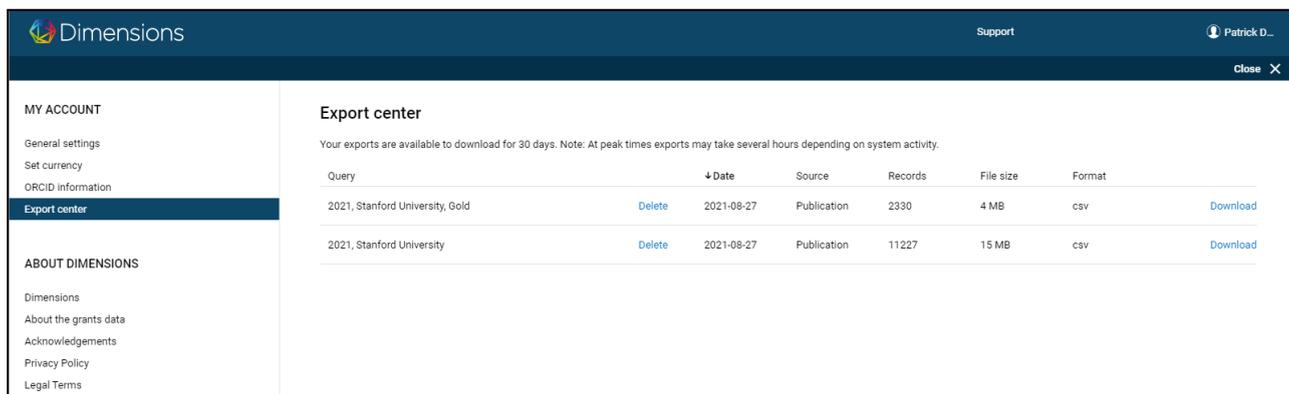
Send email when export is ready
Processing the export can take several hours depending on size of the download and system activity. Your export will be available in the [Export center](#) for 30 days.

Formats

Publications can be exported in three formats: .csv, .xlsx and .csv for bibliometric mapping. The bibliometric mapping export is compatible with two free network mapping applications, [VOSviewer](#) and [CiteSpace](#). Up to 500 publication records can be exported in either BibTeX/RIS format.

Export Center

You can locate your downloads by clicking on your name in the upper left corner of the screen and selecting Export Center.



The screenshot shows the Dimensions user interface. The top navigation bar includes the Dimensions logo, a 'Support' link, and a user profile for 'Patrick D...'. A sidebar on the left contains 'MY ACCOUNT' (General settings, Set currency, ORCID information, Export center) and 'ABOUT DIMENSIONS' (Dimensions, About the grants data, Acknowledgements, Privacy Policy, Legal Terms). The main content area is titled 'Export center' and includes a note: 'Your exports are available to download for 30 days. Note: At peak times exports may take several hours depending on system activity.' Below this is a table with columns: Query, Date, Source, Records, File size, Format, and Download.

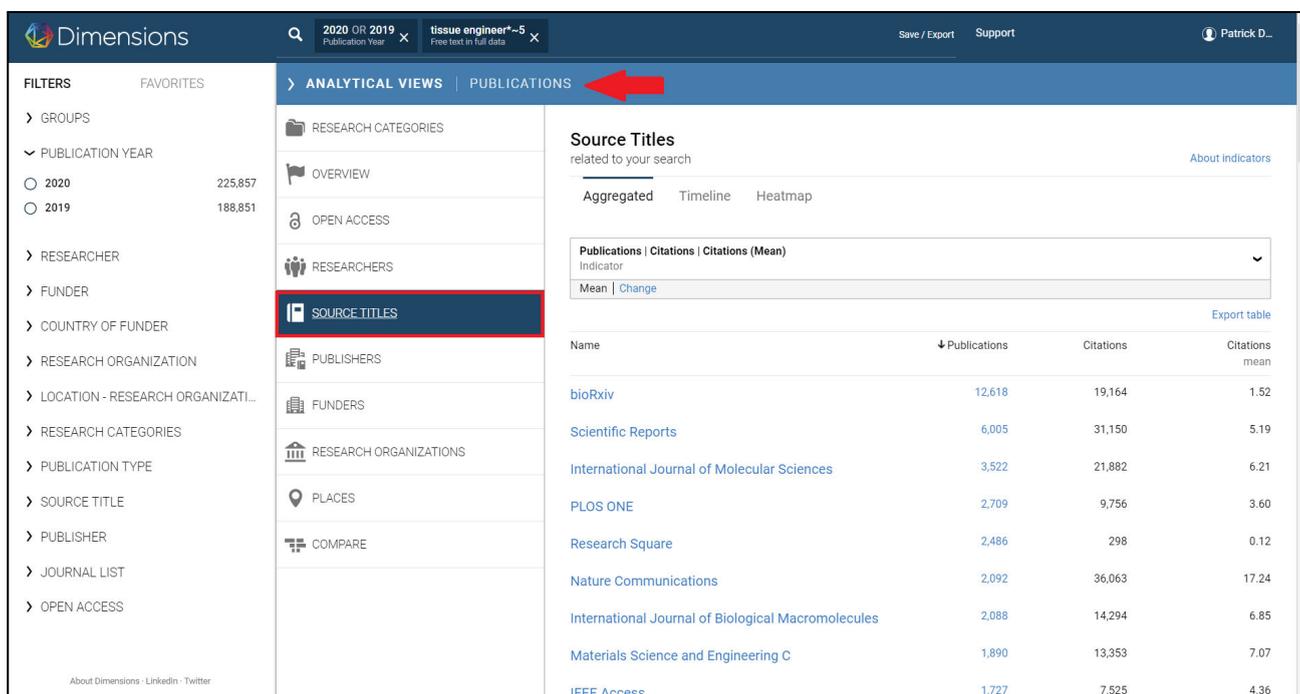
Query	↓ Date	Source	Records	File size	Format		
2021, Stanford University, Gold	Delete	2021-08-27	Publication	2330	4 MB	csv	Download
2021, Stanford University	Delete	2021-08-27	Publication	11227	15 MB	csv	Download

Analytical Views

Analytical views provide high-level insights into your search results in each content type. Think of Analytical Views as a pivot table for the metadata in your result list. These views provide instant insights into your results without any out-of-platform manipulation. In addition, you can export results from analytical views just as you would your result set, but with more options to download, including available visualizations as images. While available for all content types, some highlighted examples are shown below.

Publications

Here we can choose from a number of options. Below is an example that surfaces the source titles with the most articles related to this search. You can see other options including Research Categories, a general overview, Open Access (OA) status, researchers, publishers, funders, research organizations, places and a comparison tool.



The screenshot shows the Dimensions web interface. The search bar contains '2020 OR 2019' and 'issue engineer*~5'. The left sidebar shows filters for 'PUBLICATION YEAR' (2020: 225,857, 2019: 188,851) and 'SOURCE TITLE'. The main content area displays the 'Source Titles' view, which is highlighted with a red box. A red arrow points to the 'ANALYTICAL VIEWS' tab. The table below shows the following data:

Name	Publications	Citations	Citations mean
bioRxiv	12,618	19,164	1.52
Scientific Reports	6,005	31,150	5.19
International Journal of Molecular Sciences	3,522	21,882	6.21
PLOS ONE	2,709	9,756	3.60
Research Square	2,486	298	0.12
Nature Communications	2,092	36,063	17.24
International Journal of Biological Macromolecules	2,088	14,294	6.85
Materials Science and Engineering C	1,890	13,353	7.07
IEEE Access	1,727	7,525	4.36

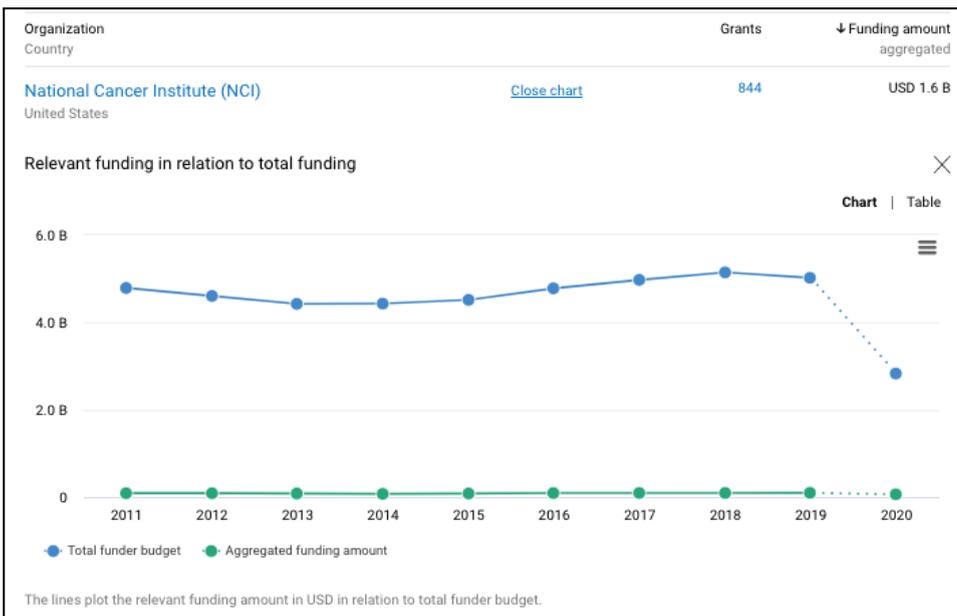
Grants

Similarly, Analytical Views for Grants display aggregated data based on our search. The below example shows funding data organized by funder, per the search criteria. You can even analyze the funding trends for that funder by clicking the [Open chart](#) link.

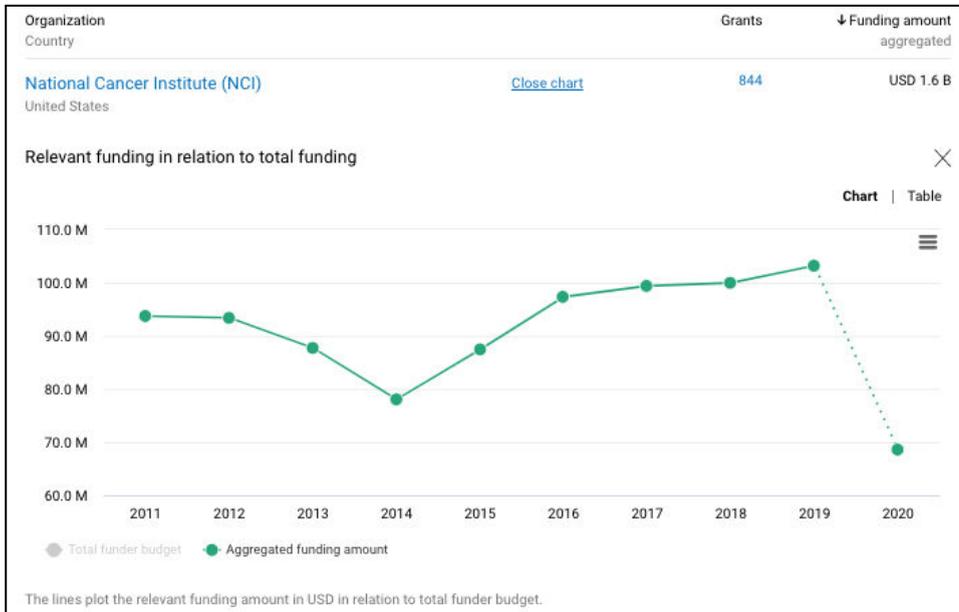
The screenshot shows the Dimensions Grants Analytical Views interface. The left sidebar contains a 'FILTERS' section with 'FUNDERS' selected. The main content area displays a table of funders with columns for Organization, Country, Grants, and Funding amount aggregated. A red box highlights the 'Open chart' link for the National Cancer Institute (NCI).

Organization	Country	Grants	Funding amount aggregated
National Cancer Institute (NCI)	United States	887	USD 1.6 B
National Heart Lung and Blood Institute (NHLBI)	United States	858	USD 1.3 B
European Commission (EC)	Belgium	595	USD 1.1 B
Directorate for Engineering (NSF ENG)	United States	3,085	USD 1.1 B
Engineering and Physical Sciences Research Council (EPSRC)	United Kingdom	1,337	USD 961.7 M
National Institute of Biomedical Imaging and Bioengineering (NIBIB)	United States	643	USD 654.0 M

The blue line plots the funder's allocated budget over time; the green line shows their allocated amount relative to your search query.



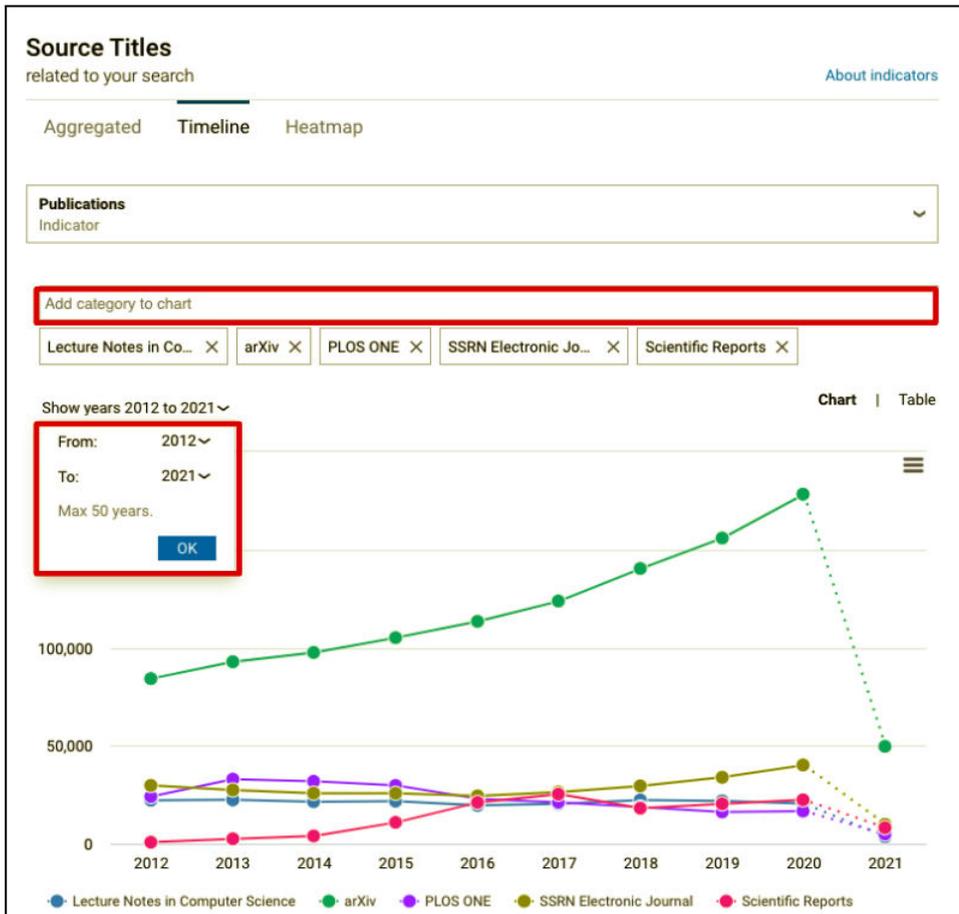
By removing the overall budget line (clicking [Total funder budget](#) in the legend below the x-axis), you can see that organization's funding related to your search query over time. Hovering over the dots on the timeline will surface a link to those specific grants, should you wish to continue drilling into the data. This is an easy way to get an at-a-glance view of funding trends in Dimensions by individual funders.



Visualizations

Timelines

Timelines are available in multiple places in Analytical Views. You can adjust the period of time it reflects and add or remove elements shown (eg. funders, research categories). You can also opt to view the data in a table by clicking near the top right of the timeline.



Networks

Network visualizations for Researchers can be created using an integrated VOSviewer tool. There are two options for these visualizations: Co-authorship Analysis and Citation Analysis. This is currently available in Analytical Views for publications, by selecting the **Researchers** “tab”.

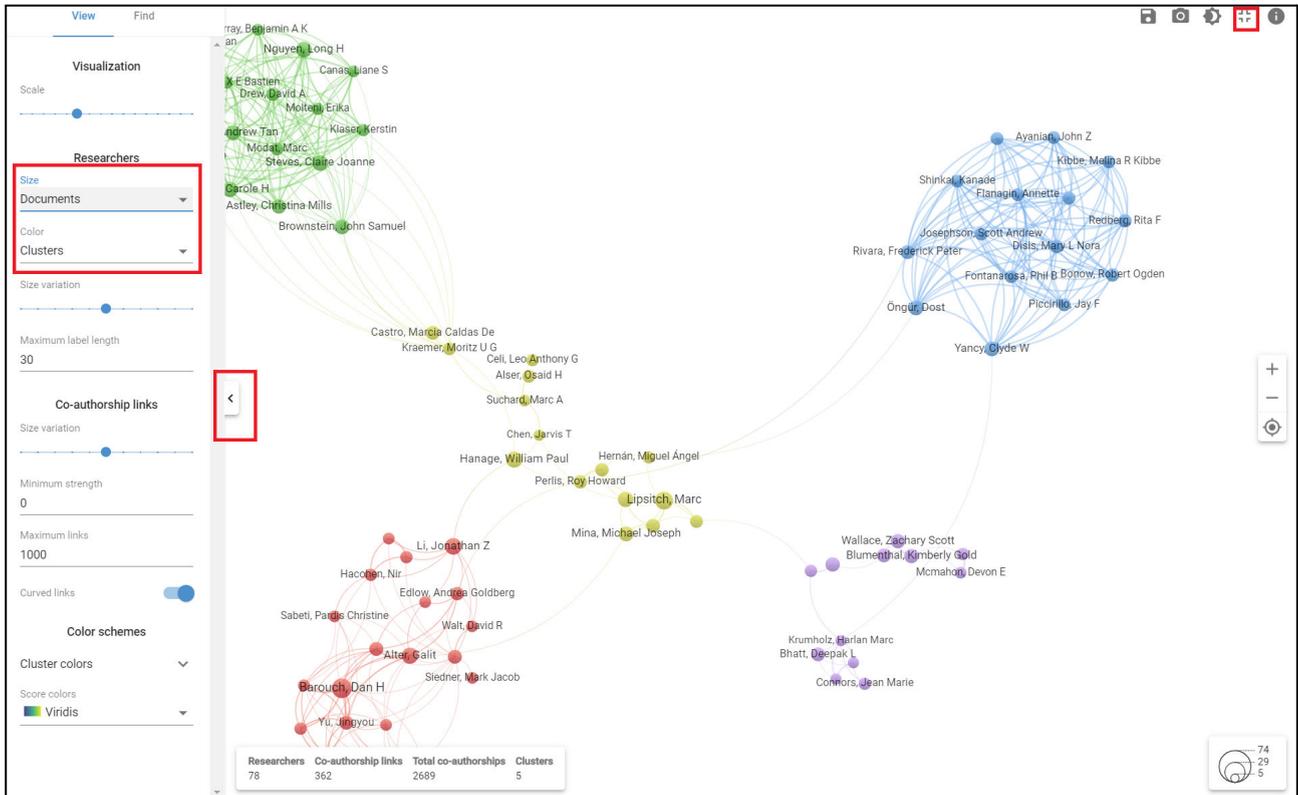
Up to 25,000 publication records can be examined to create network visualizations. By default, the network returns up to 100 researchers but users can change the threshold from the options available.

The screenshot displays the VOSviewer interface for a network visualization of researchers. The interface is divided into several sections:

- Header:** "ANALYTICAL VIEWS | PUBLICATIONS"
- Sidebar (Left):** A list of navigation options including RESEARCH CATEGORIES, OVERVIEW, OPEN ACCESS, RESEARCHERS (highlighted), SOURCE TITLES, PUBLISHERS, FUNDERS, RESEARCH ORGANIZATIONS, PLACES, and COMPARE.
- Main Content Area:**
 - Section:** "Researchers related to your search" with a link to "About indicators".
 - Navigation:** Tabs for "Aggregated", "Timeline", "Heatmap", and "Network" (selected).
 - Dropdown Menu:** A menu titled "Citation analysis" with options for "Co-authorship analysis" and "Citation analysis" (selected).
 - Network Graph:** A circular network visualization showing connections between researchers. Key nodes include Barouch, Dan H (largest), Tostanoski, Lisa H, Yu, Jingyou, and others. Lines of varying thickness represent the strength of relationships.
 - Summary Table:**

Researchers	Citation links	Total citations	Clusters
35	90	3951	25
 - Scale:** A zoom control on the right side with a scale from 90 to 1k.
- Footer:** A note stating "The relatedness of researchers is determined based on the number of times they cite each other."

Clicking the [expand button](#) in the upper-right corner of the visualization opens it full screen for easier analysis. Clicking the [arrow](#) on the left side of the page opens a pane with additional options to customize and stylize the visualization as desired. Specifically, the values populating the Color and Size of the nodes can be changed depending on the type of analysis being performed.



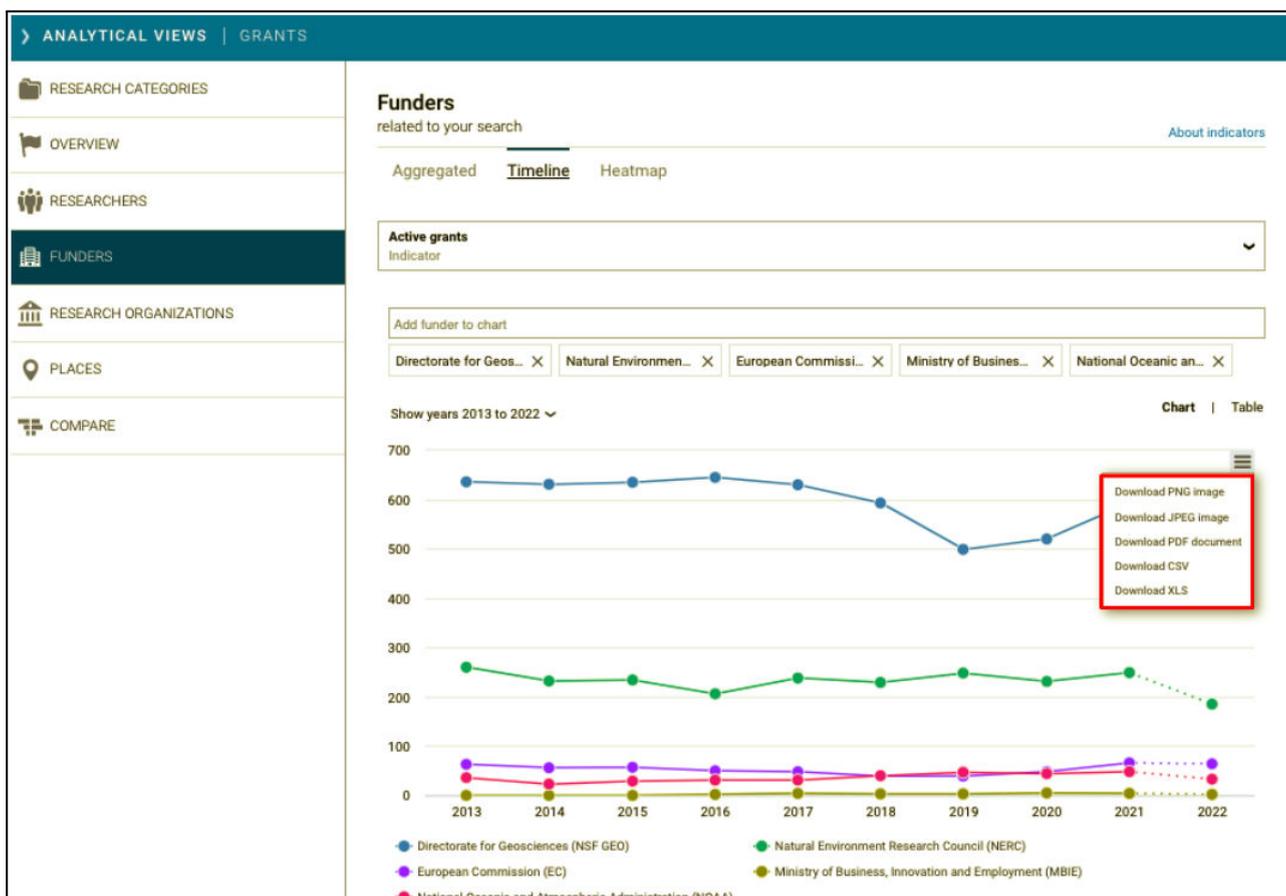
Export options for Analytical views

Aggregated Lists

You can select “[export table](#)” at the top right of aggregated lists in Analytical Views, and Dimensions will export the first 500 results into a .csv or xlsx file, available to access in your export center.

Visualizations

Timelines and heatmaps can be exported either as images, pdf or data files. Heatmaps are most readable in an image or pdf format (versus platform view).



Favorites

Any search in Dimensions can be [saved as a favorite](#), with updated results each time you retrieve the favorite. Favorites can be accessed via the left panel, next to Filters.



Alerts

Each time you [“favorite”](#) a search in Dimensions, you will have the option to be alerted on a weekly basis to new content matching the terms of your search.

Save as favorite ✕

Name

Send me email updates for new results related to this favorite:

Publications Grants

Groups

RESEARCH ORGANIZATION

<input checked="" type="checkbox"/>	Harvard University	525,612
<input checked="" type="checkbox"/>	University of Tokyo	472,804
<input checked="" type="checkbox"/>	University of Toronto	329,689
<input type="checkbox"/>	University of Michigan	310,547
<input type="checkbox"/>	Kyoto University	303,793
<input type="checkbox"/>	Stanford University	291,419
<input type="checkbox"/>	University of California, Los Angeles	288,627
<input type="checkbox"/>	University of Washington	287,844
<input type="checkbox"/>	University of Oxford	279,187
<input type="checkbox"/>	Johns Hopkins University	274,459
<input type="checkbox"/>	University of Cambridge	274,099

[More](#)

LOCATION - RESEARCH ORGANIZATION

RESEARCH CATEGORIES

PUBLICATION TYPE

SOURCE TITLE

PUBLISHER

Limit to

3 selected [About](#)

Groups make it possible to combine multiple entities to a custom group with a custom name, which can then be used in conjunction with other facets, groups or keywords. It allows you to create a group of entities of the same type, for example a group of researchers (e.g. “department X”) or a group of organizations (e.g. “peer Universities”). It is not possible to combine entities of different types (e.g. funders and institutions) into a group.

Custom groups can be used in a search like any other entity - they can be combined with every other facet or group, with every boolean keyword or abstract search.

To create a new group:

Select several entities from one facet type (do not click on “limit to”)

Click “Add to group” at the bottom of the page

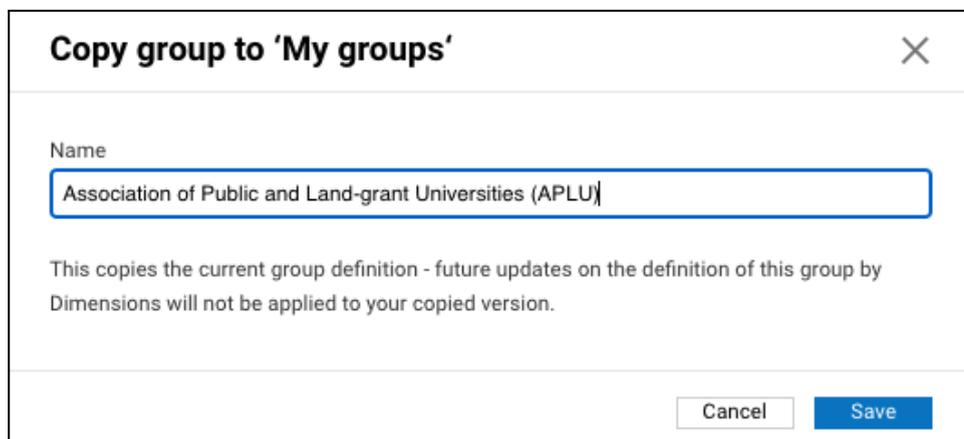
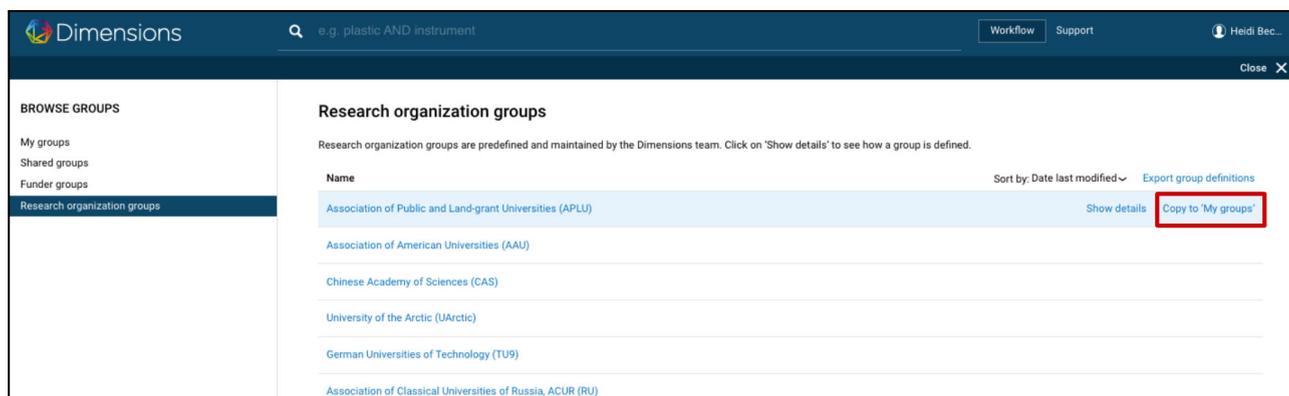
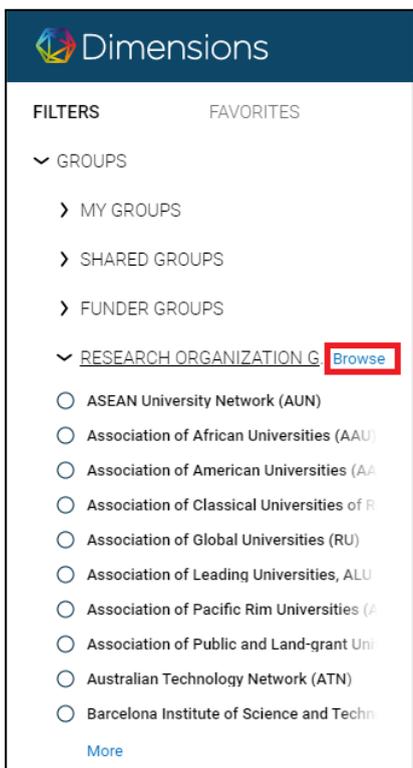
Name and click “Save”

The new group will now be available under “My groups” in the facet section

Groups can be shared with fellow Analytics users across the same institution. More information on sharing groups is available upon request.

Customizing pre-set groups

You can also modify pre-set funder or research organization groups to suit your needs by “browsing” the groups and copying to my groups, where you can then rename and add or remove elements (in the example below, research organizations).

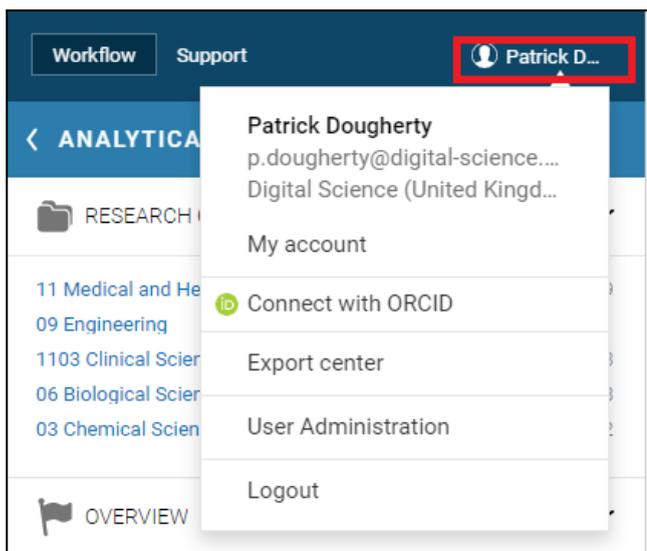


User settings

Your account settings can be accessed by clicking on the icon next to your name in the upper right corner of the platform. From here you can change your password and perform other tasks.

Connect your ORCID account

You can connect your ORCID profile, enabling you to claim publications for your profile with one easy click in the Dimensions platform.



Climate Change and Infectious Diseases; Evidence from Highly Vulnerable Countries

Asim Anwar, Sajid Anwar, Muhammad Ayub, Faisal Nawaz, Shabir Hyder, Noman Khan, Imran Malik
2019, Iranian Journal of Public Health - Article

BACKGROUND: Climate change is an alarming challenge for humanity at large due to its mediating role in emergence and spread of infectious diseases like cholera and malaria. This study was conducted to... [more](#)

Citations 6 View PDF Add to Library **Add to ORCID**

Change currency

We obtain grant funding amounts in their original currencies. We then convert the original currencies in the background and the user can decide in which currency they want to use in Dimensions. The conversion for each grant is based on the exchange rate at the time of the start date of the grant. In the case that a yearly distribution of the funding amount is provided (e.g. NIH projects), the funding amount is converted for each year's exchange rate. You can change the currency that appears in Dimensions. Currencies currently available in Dimensions include:

Australian Dollars (AUD)

British Pounds (GBP)

Canadian Dollars (CAD)

Chinese Yen (CNY)

Euros (EUR)

Japanese Yen (JPY)

Swiss Francs (CHF)

New Zealand Dollars (NZD)

US Dollars (USD)

Get in touch with our team to request more information:

support@dimensions.ai

